



**P1/BR4 INTERCHANGE WITH NH.54 -
OVERBRIDGE**

I. GENERAL

DRAWING LIST



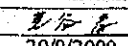
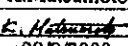
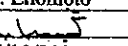
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I		
GENERAL		
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PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	 NIPPON KOEI CO.,LTD.	NAME T. Kametani SIGNATURE <i>T. Kametani</i> DATE 20/9/2000	NAME K. Matsumoto SIGNATURE <i>K. Matsumoto</i> DATE 29/9/2000	NAME K. Enomoto SIGNATURE <i>K. Enomoto</i> DATE 5/10/2000	INTERCHANGE 2 FLYOVER BRIDGE GENERAL DRAWING LIST	P1/BR4/0010

ABBREVIATIONS AND SYMBOLS

A	PARAMETER OF CLOTHOID CURVE	IP	POINT OF INTERSECTION
Ø	AT	KG	KILOGRAM
ABUT	ABUTMENT	KM	KILOMETER
AC	ASPHALT CONCRETE	KPH	KILOMETER PER HOUR
APPR	APPROACH	L	LEGNTH OF CURVE WITH SPIRAL
ASPH	ASPHALT	LC	LENGTH OF CIRCULAR CURVE
&	AND	LS	LENGTH OF SPIRAL CURVE
A > B	A IS LARGER THAN B	LVC	LENGTH OF VERTICAL CURVE
BOR	BORING	LIN.M	LINEAR METER
BR	BRIDGE	M	METER
BX	BOX CULVERT	M ²	SQUARE METER
C	CUT	M ³	CUBIC METER
CTC	CENTER TO CENTER	MAX	MAXIMUM
CL	CENTERLINE	MIN	MINIMUM
CM	CENTIMETER	MOV	MOVABLE
CONC	CONCRETE	N.G.L	NATURAL GROUND LEVEL
CONST	CONSTRUCTION	OV	OVER BRIDGE
CONT	CONTINUOUS	%	PERCENT
C.S	CIRCULAR CURVE TO SPIRAL CURVE	P	PIPE CULVERT
CU.M	CUBIC METER	PC	BEGINNING POINT OF SIMPLE CURVE
DIA or Ø	DIAMETER	PE.W	PARAPET WALL
DC	DRAINAGE CATCHBASIN	P.C	PRESTRESSED CONCRETE
DI	DRAINAGE INLET	P/C	PRE - CAST
DL	DATUM LINE	PH	PLAN HEIGHT
DO	DRAINAGE OUTLET	P.I	POINT OF INTERSECTION FOR HORIZONTAL ALIGNMENT
DS	DRAINAGE SIDEDITCH	PT	END OF POINT OF SIMPLE CURVE
DW	MORTARED RUBBLE PAVED WATERWAY	PC	PLATE COVER
E.P	END POINT	R	RADIUS OF CIRCULAR CURVE
E.V	MIDDLE ORDINATE VERTICAL CURVE	R.C	REINFORCED CONCRETE
EL	ELEVATION	R.O.W	RIGHT OF WAY
EQ	EQUAL	RW	RETAINING WALL
EXC	EXCAVATION	S.C	SPIRAL CURVE TO CIRCULAR CURVE
EXP	EXPANSION	S.P	SLOPE PROTECTION
F	FILL	S.P.P	STEEL PIPE PILE
FG	FINISHED GRADE	SQ	SQUARE
FIX	FIXED	SQ.M	SQUARE METER
FR	FRONTAGE ROAD	S.T	SPIRAL CURVE TO TANGENT
FTOF	FACE TO FACE	STA	STATION
G.F	GUARD FENCE	SM	STONE MASONRY
GR	GUARD RAIL	T	THICKNESS
GIR	GIRDER	T.S	TANGENT TO SPIRAL
H	HEIGHT	T.L	TANGENT LENGTH OF CIRCULAR CURVE
D.F.W.L	DATUM FLOODED WATER LEVEL	To	TANGENT LENGTH OF SPIRAL
HWY	HIGHWAY	V	DESIGN SPEED IN KPH
i	GRADIENT	W	WIDTH
I.C	INTERCHANGE	X	EASTING COORDINATE IN METERS
		Y	NORTHING COORDINATE IN METERS

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STRUCTURAL NOTES

1. GENERAL

- 1.1. UNLESS OTHERWISE NOTED THESE NOTES ARE APPLIED TO ALL DRAWINGS.
- 1.2. THE SCALE INDICATED IN DRAWINGS IS FOR 'A3' SIZE.
- 1.3. ALL CHAINAGES, COORDINATES, ELEVATIONS ARE IN METRES. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED.
- 1.4. THE ELEVATION SYSTEM IS REFERED TO THE MEAN SEA DATUM ELEVATION AT HONDAU - DO SON. COORDINATE REFER TO THE NATIONAL GRID SYSTEM.

2. DESIGN CRITERIA & LOADS

- 2.1. DESIGN STANDARDS:
 - AASHTO 1998 - LRFD BRIDGE DESIGN SPECIFICATIONS
 - AASHTO GUIDE SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF SEGMENTAL CONCRETE BRIDGES
 - JAPANESE HIGHWAY AND BRIDGE STANDARDS 1996
 - VIETNAMESE HIGHWAY BRIDGES STANDARDS 1979
- 2.2. DESIGN LOADS:
 - B_LOADING IN ACCORDANCE WITH JAPANESE CODE
 - PEDESTRIAN LOAD : 3.6 kN/M² -- AASHTO LRFD 1998
 - BASIC WIND VELOCITY : 160 KM/H -- AASHTO LRFD 1998
 - LATERAL SEISMIC RESPONSE COEFFICIENT : 0.12
 - VESSEL IMPACT : VIETNAMESE HIGHWAY BRIDGES STANDARDS 1979
 - TEMPERATURE RANGE : 17.7°C TO 36.7°C
 - UNIFORM TEMPERATURE : ±10°C
 - TEMPERATURE DIFFERENTIAL : 5°C

3. CONCRETE

- 3.1. UNLESS OTHERWISE INDECATED CONCRETE SHALL BE OF THE FOLLOWING GRADES BASED ON 28 DAY CYLINDER STRENGTH f_c :

CONCRETE CLASS	STRENGTH f_c MPa	KIND OF STRUCTURE IN USE
C	35	HOLLOW SLAB
D	30	IN-SITU DECK SLAB, BORED PILE
E	24	PIER, ABUTMENT, PILE CAP, RETAINING WALL, PARAPET, BARRIER, KERB
G	15	LEAN CONCRETE

- 3.2. WHEREVER FORMS ARE NOT USED REINFORCED CONCRETE SHALL BE PLACED AGAINST 100mm MINIMUM THICKNESS LEAN CONCRETE.
- 3.3. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 20x20mm UNLESS OTHERWISE NOTED.
- 3.4. ALL CONSTRUCTION JOINTS ARE TO BE LOCATED AS SHOWN ON THE DRAWINGS OR AS ENGINEER'S APPROVAL.

4. REINFORCEMENT

- 4.1. REINFORCEMENT SHALL BE DEFORMED, EXCEPT THAT PLAIN BARS OR PLAIN WIRE MAY BE USED FOR SPIRALS, HOOPS, AND WIRE FABRIC.
- 4.2. REINFORCEMENT SHALL BE SD390 OR EQUIVALENT. PLAIN ROUND BAR WITH $f_y(\min)$ 250 MPa AND HIGH YIELD DEFORMED BARS WITH YIELD STRENGTH NOT LESS THAN $f_y(\min)$ 390 MPa SHALL BE USED.
- 4.3. REINFORCEMENT IS NOTED ON THE DRAWINGS AS FOLLOWS:
 (D1) D25 - 25146
 NAME OF BAR _____ LENGTH OF BAR _____
 DIA OF BAR _____
- 4.4. ALL REINFORCEMENTS ARE SHOWN AS _____
- 4.5. SPLICES IN ADJACENT BARS SHALL BE STAGGERED EXCEPT WHERE NOTED ON THE DRAWINGS. SPLICES OTHER THAN THOSE SHOWN ON THE DRAWINGS MAY ONLY BE MADE WITH THE ENGINEER'S APPROVAL.
- 4.6. MINIMUM SPLICE LENGTH SHALL BE IN ACCORDANCE WITH AASHTO LRFD 1998.
- 4.7. STANDARD HOOKS AND MINIMUM BEND DIAMETER SHALL BE IN ACCORDANCE WITH AASHTO LRFD 1998.

4. REINFORCEMENT (CONTINUED)

- 4.8. REINFORCEMENTS INDECATED AS RANDOM LENGTH MAY BE LAP SPICED AS NECESSARY SUBJECT TO THE FOLLOWING CONDITIONS:
 - A) LAP SPLICES IN ADJACENT BARS SHALL BE STAGGERED
 - B) MINIMUM LAP LENGTHS SHALL BE IN ACCORDANCE WITH AASHTO LRFD 1998, EXCEPT BORED PILE SHALL BE 40 BAR DIAMETERS
 - C) NOT MORE THAN ONE BAR PER LINE IS TO BE SHORTER THAN 12 METRES FOR ANY DIAMETER
- 4.9. UNLESS OTHERWISE INDECATED ON THE DRAWINGS, THE MINIMUM COVER TO ANY REINFORCEMENT SHALL BE AS FOLLOWS:
 - 75mm BORED PILE, RETAINING WALL & ABUTMENT
 - 50mm PILE CAP, DECK SLAB, PIER & ABUTMENT, PARAPET, KERB, APPROACH SLAB, etc...
 - TOLERANCE ON COVER IS +/-5MM

5. PRESTRESSING

- 5.1. NOMINAL DIAMETER, YIELD AND TENSILE STRENGTH OF PRESTRESSED TENDON ARE SPECIFIED AS FOLLOWS:

UTILIZATION	NOMINAL DIAMETER (mm)	TENSILE STRENGTH (MPa)	YIELD STRENGTH (MPa)	JACKING FORCE (kN)
INTERNAL CABLE	12S12.7	1860	1674	1653

- 5.2. PRESTRESSED TENDONS SHALL BE FORMED FROM THE STRANDS OF 12.7mm OR 15.2mm DIAMETER MADE BY 7 LOW RELAXATION WRES GRADE 270 CORRESPONDING WITH ASTM A416M. THE ACTUAL TENDON SIZES AND INITIAL PRESTRESSED FORCE ARE GIVEN ON THE DETAIL DRAWINGS.
- 5.3. PRESTRESSED SYSTEMS TO BE ADOPTED SHALL BE IN ACCORDANCE WITH THE ENGINEER'S APPROVAL.
- 5.4. DUCTS FOR INTERNAL TENDONS SHALL BE SEMI-RIGID GALVANISED SHEATHING UNLESS OTHERWISE NOTED AND SHALL BE RIGIDLY SUPPORTED AT NOT MORE THAN 750mm FROM CENTRES.
- 5.5. THE METHOD TO FIX THE DUCTS AND THE METHOD OF JOINTING AND SEALING OF DUCTS AT CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH THE ENGINEER'S APPROVAL.
- 5.6. TENDON PROFILES ARE SPECIFIED TO THE CENTER OF SHEATHING. THE TENDON ARE TO BE PLACED TO SMOOTH PROFILES PASSING THROUGH THE SPECIFIED POINTS.
- 5.7. EACH TENDON SHALL BE KEPT STRAIGHT FOR A MINIMUM LENGTH OF 1000mm FROM ANCHORAGE FACES.
- 5.8. GROUTING POINTS SHALL BE PROVIDED AT ALL CROWN POINTS, SAG POINTS, ANCHORAGES AND DEVIATORS.

6. WATERPROOF

- 6.1. ALL REINFORCED CONCRETE SURFACES IN CONTACT WITH BACKFILL SHALL BE COATED WITH TWO COATS OF BITUMINOUS MEMBRANE.
- 6.2. THE BRIDGE DECK SHALL BE WATERPROOFED WITH APPROVED PROPRIETARY WATERPROOFING SYSTEM IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

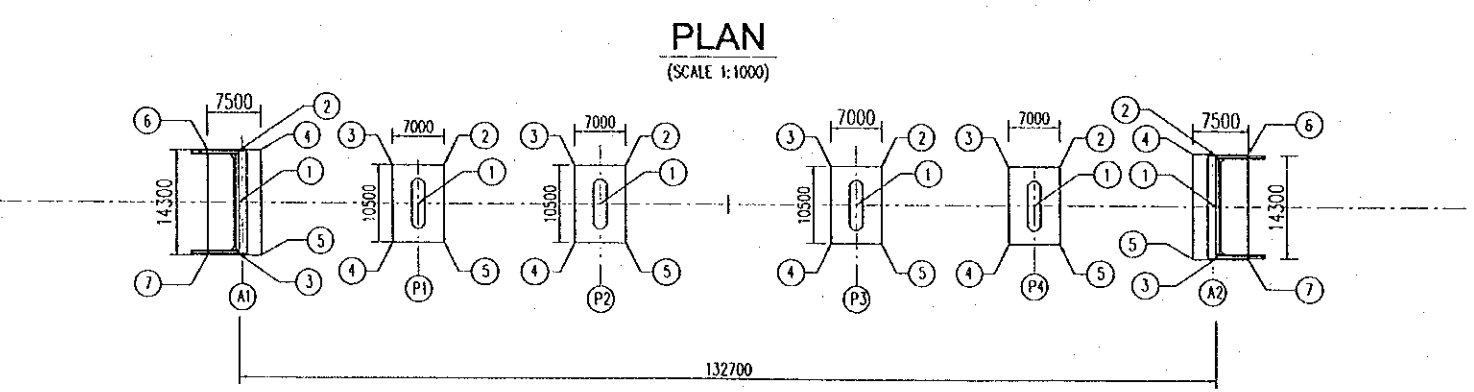
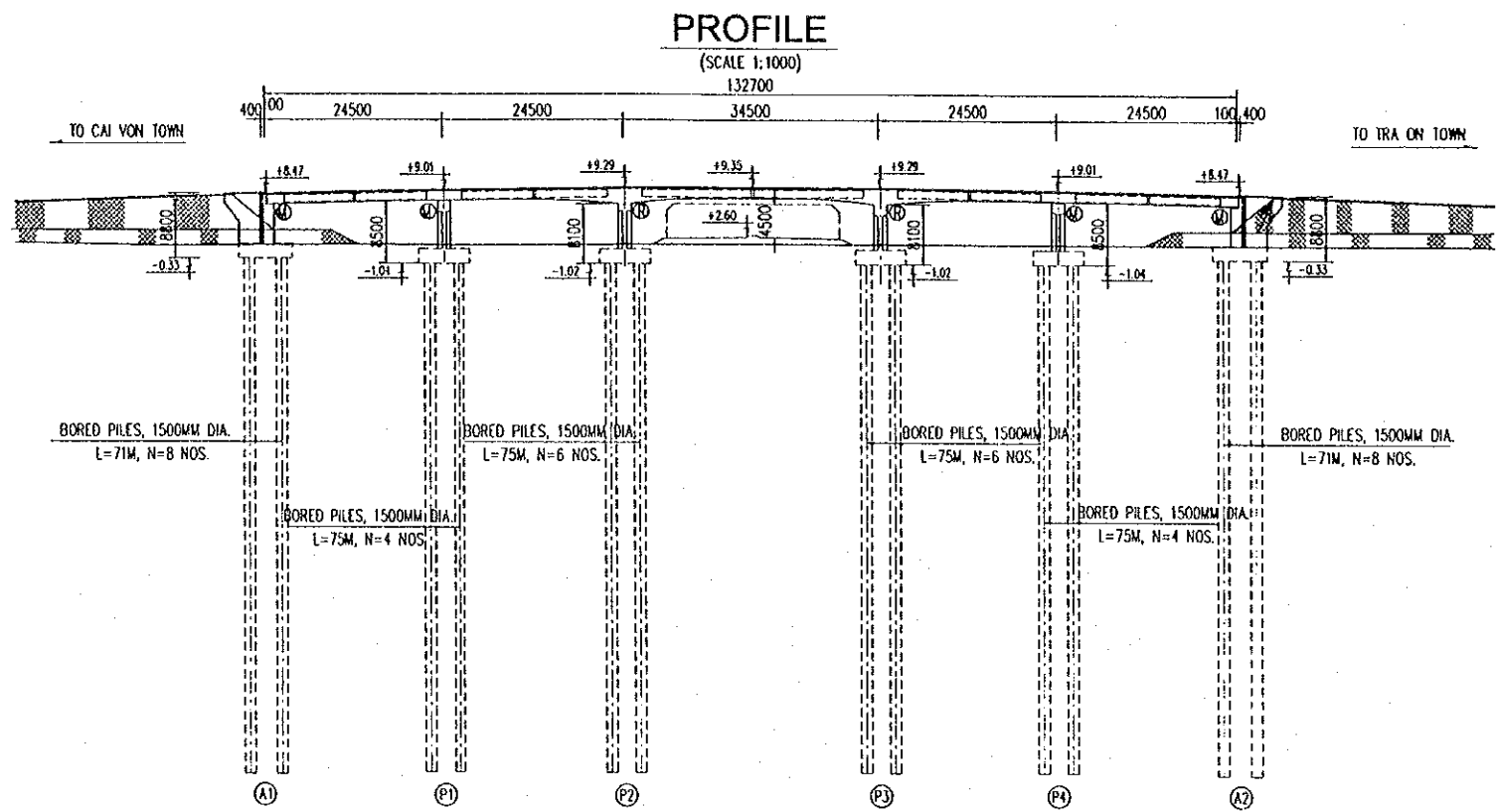
7. SUPERSTRUCTURE

- 7.1. SUPERSTRUCTURE IS DESIGNED ON THE BASIS OF CONSTRUCTION SEQUENCE DETAILED ON THE DRAWINGS. ANY CHANGES TO THE CONSTRUCTION SEQUENCE WILL REQUIRE A RE-DESIGN OF THE BRIDGE.
- 7.2. THE SUPERSTRUCTURE DESIGN IS BASED ON THE USE OF BOTH INTERNAL & EXTERNAL PRESTRESSING WITH THE FOLLOWING PARAMETERS:

COEFFICIENT OF FRICTION PER RADIAN	0.25
WOBBLE FACTOR $K - 1/m$ (FOR INTERNAL ONLY)	0.001
DRAW-IN (BOTH SIDE)	10 mm
RELATIVE HUMIDITY	85%

- 7.3. ANCHOR BAR SHALL BE CONFORMING TO THE REQUIREMENTS OF SS400 OF JIS G3101.

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COORDINATES TABLE

		A1	P1	P2	P3	P4	A2
1	N	1111726.099	1111705.202	1111684.391	1111655.084	1111634.273	1111613.376
	E	591176.161	591189.142	591202.069	591220.274	591233.201	591246.182
2	N	1111729.793	1111704.999	1111684.187	1111654.881	1111634.070	1111617.070
	E	591182.108	591195.448	591208.376	591226.580	591239.508	591252.128
3	N	1111722.405	1111710.945	1111690.134	1111660.827	1111640.016	1111609.683
	E	591170.215	591191.755	591204.682	591222.887	591235.814	591240.236
4	N	1111727.238	1111705.405	1111684.593	1111655.287	1111634.475	1111619.782
	E	591183.871	591182.836	591195.763	591213.967	591226.895	591250.620
5	N	1111719.693	1111699.459	1111678.647	1111649.341	1111628.529	1111612.236
	E	591171.724	591186.529	591199.457	591217.661	591230.589	591238.473
6	N	1111733.609					1111613.421
	E	591179.913					591254.593
7	N	1111726.063					1111605.865
	E	591167.766					591242.430

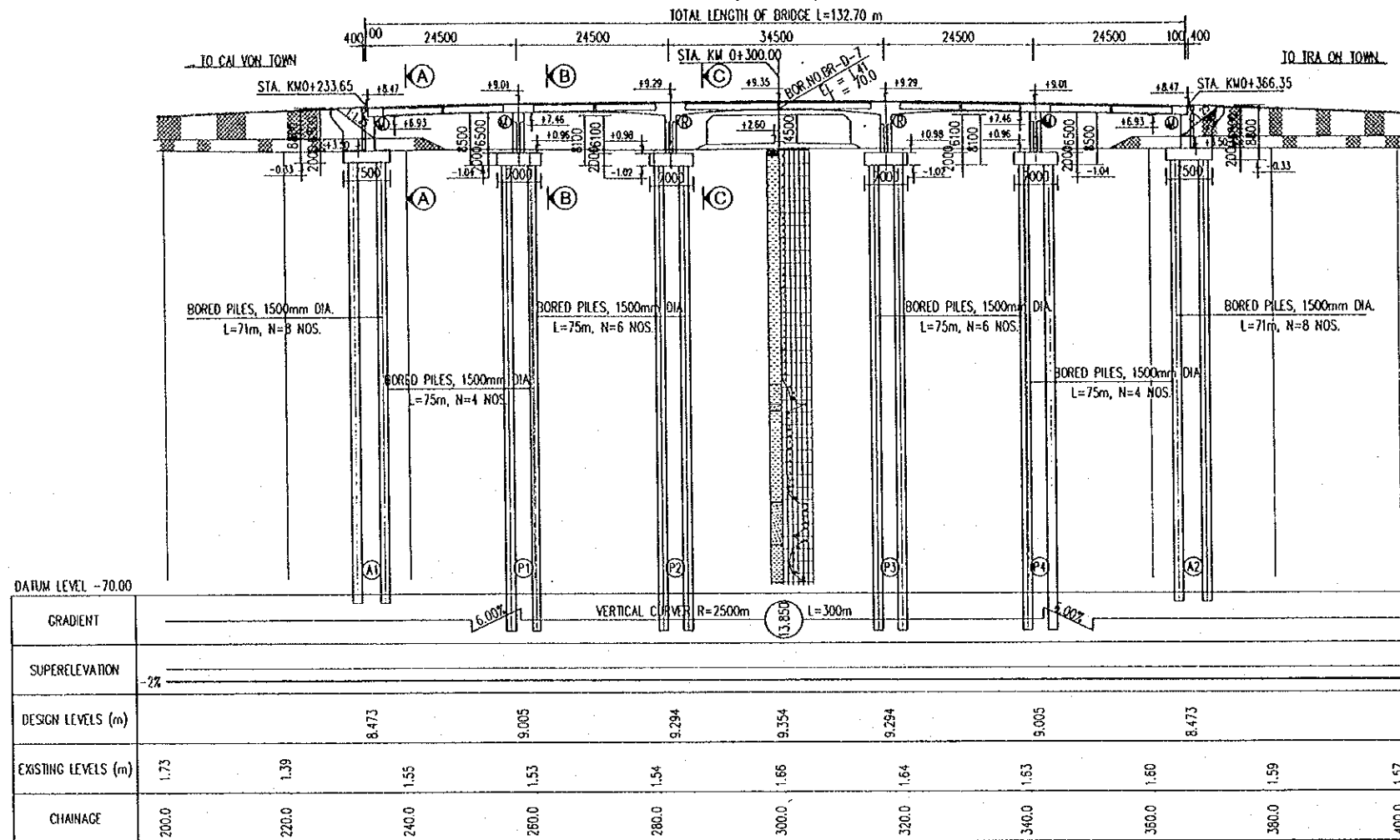
NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

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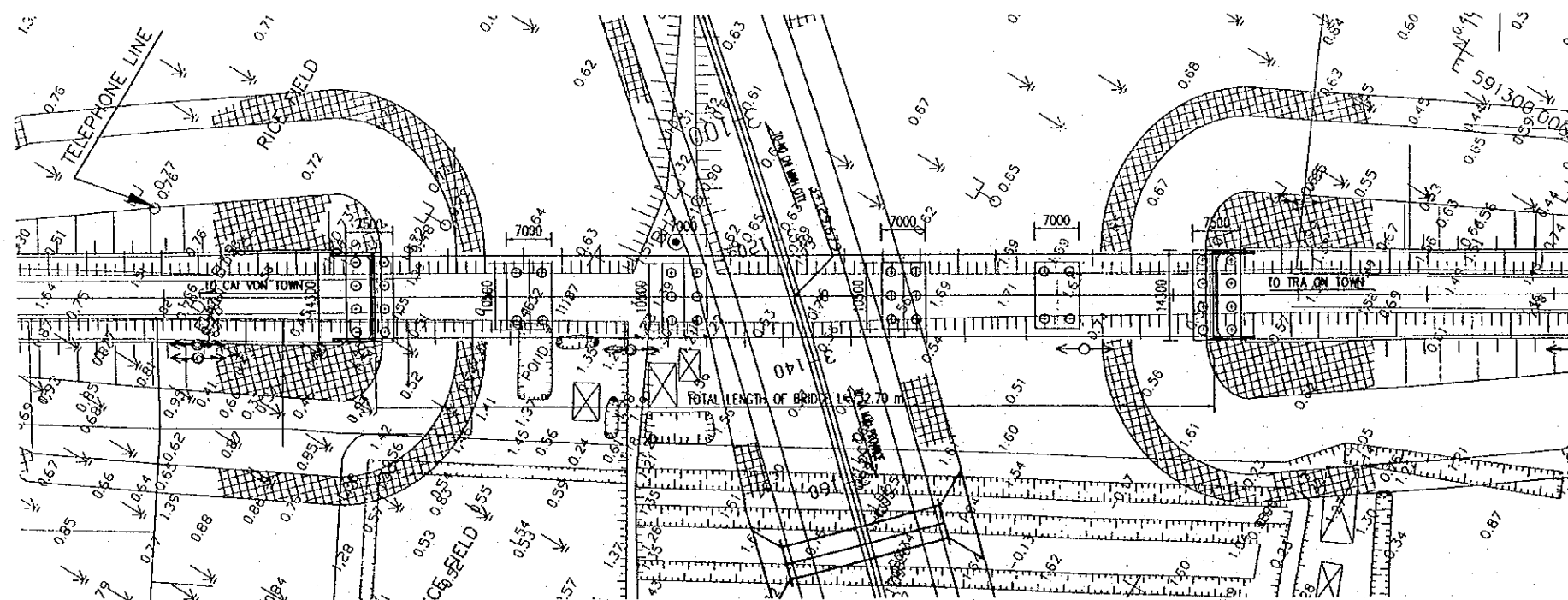
SIDE ELEVATION

(SCALE 1:1000)



PLAN

(SCALE 1:1000)



NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.
2. ELEVATIONS ARE IN METERS IN REFERENCE TO THE NATIONAL DATUM LEVEL.
3. SYMBOL:

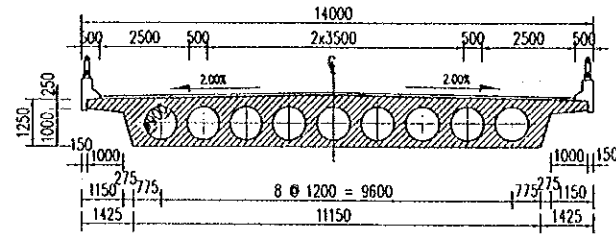
- ⊕ - MOVABLE BEARING
- ⊙ - RIGID

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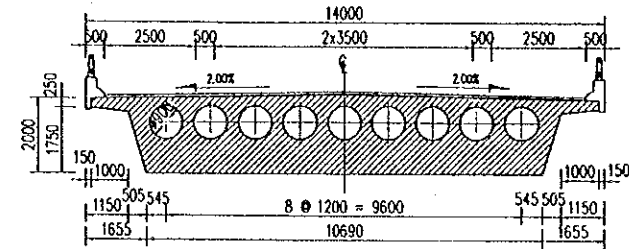
TYPICAL SECTIONS SUPERSTRUCTURE

(SCALE 1:200)

AT ABUTMENT A1 & A2, AT PIER P1 & P4



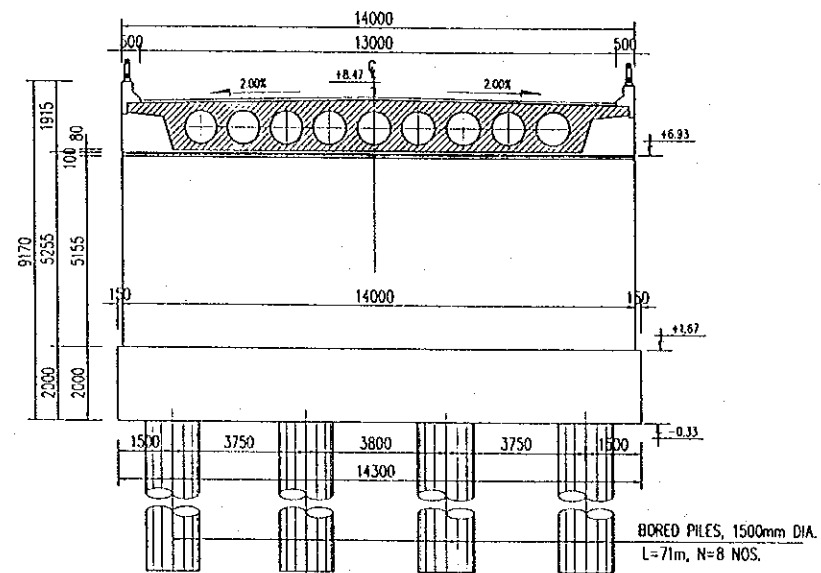
AT PIER P2 & P3



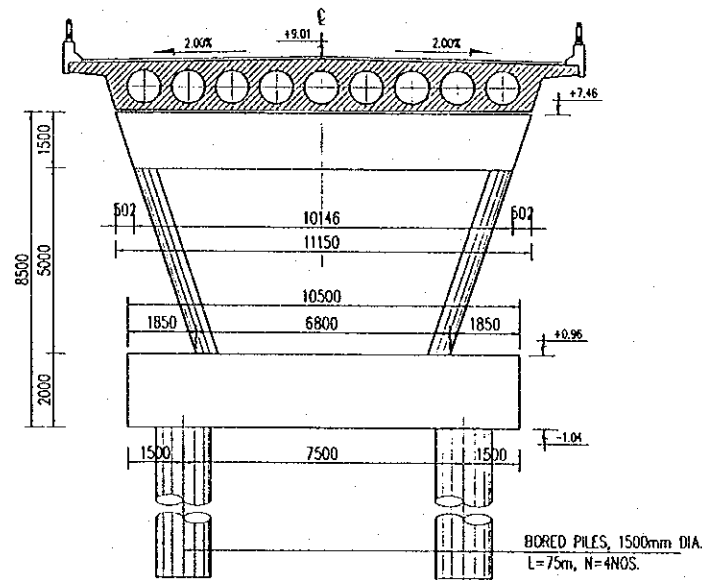
CROSS SECTIONS

(SCALE 1:200)

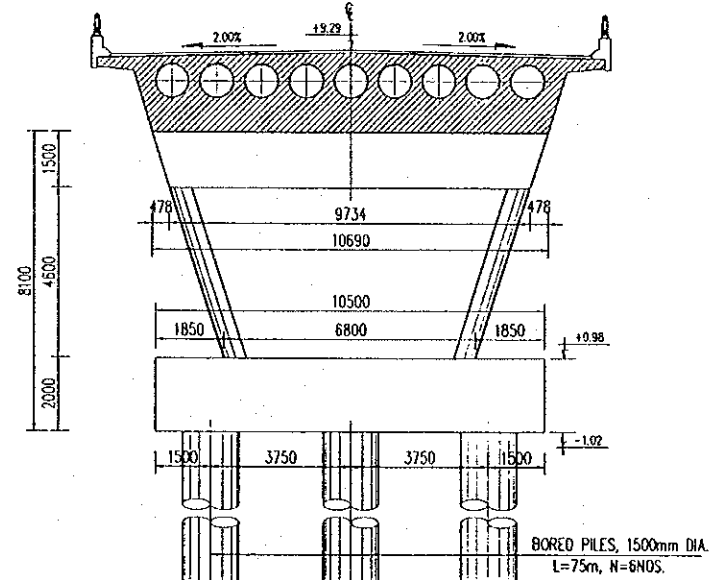
A - A (ABUTMENT A1)



B - B (PIER P1)



C - C (PIER P2)



NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.





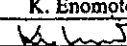
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QUANTITY TABLE OF BRIDGE

ITEMS	UNIT	ABUTMENTS	PIERS	SUPERSTRUCTURE	MISCELLANEOUS WORKS			TOTAL
					DRAINAGE	LIGHTING	PARAPET AND RAILING	
CONCRETE	CLASS C	m ³			1674			1674
	CLASS D	m ³	2010	2651				4661
	CLASS E	m ³	786	929		1	69	1785
	CLASS G	m ³	34	27				62
PC - STEEL	12 S12.7	m			3185			3185
SHEATHING OF CABLES 12S12.7, # 80/85MM		m			3185			3185
ANCHORAGE CABLES 12S12.7		SET			48			48
REINFORCEMENT	D28	kg	29701	23858				53559
	D25	kg	81766	111932	17152			210849
	D22	kg	12922	15558	7161			35641
	D20	kg	11614	4839	23323		145	39921
	D18	kg	1160					1160
	D16	kg	10487	12473	55119		76	78155
	D14	kg	2799					10510
	D12	kg		2895	27649			30544
	D10	kg	17988	22658				40645
	TOTAL	kg	168435	194213	130403		221	503782
EXPANSION JOINT	100MM	M	26					26
BEARING	700x350x50	SET	8	8				16
ANCHORAGE BAR	# 80 MM	SET	8	8				16
PVC PILE	# 50 MM	m	136					136
	# 100 MM	m					265	265
	# 200 MM	m				62		62
RAILING		m					287	287
LIGHTING POLE		SET				7		7
DRAINAGE		SET			20			20
PAYEMENT	WATERPROOFING	m ²			1723			1723
	ASPHALT CONCRETE	m ²			1723			1723
GEOTEXTILE		m ²	1200					1200
STONE MASONRY		m ³	1469					1469
BLINDING AGGREGATE		m ³	490					490
BLINDING STONE		m ³	39	55				94
WOODEN PILE, L=3M		m	8219					8219
FOOTING OF SLOPE PROTECTION		m	274					274
EXCAVATION GROUND		m ³	2115	2074				4188
FILLING GROUND		m ³	1257	1383				2640

NOTES

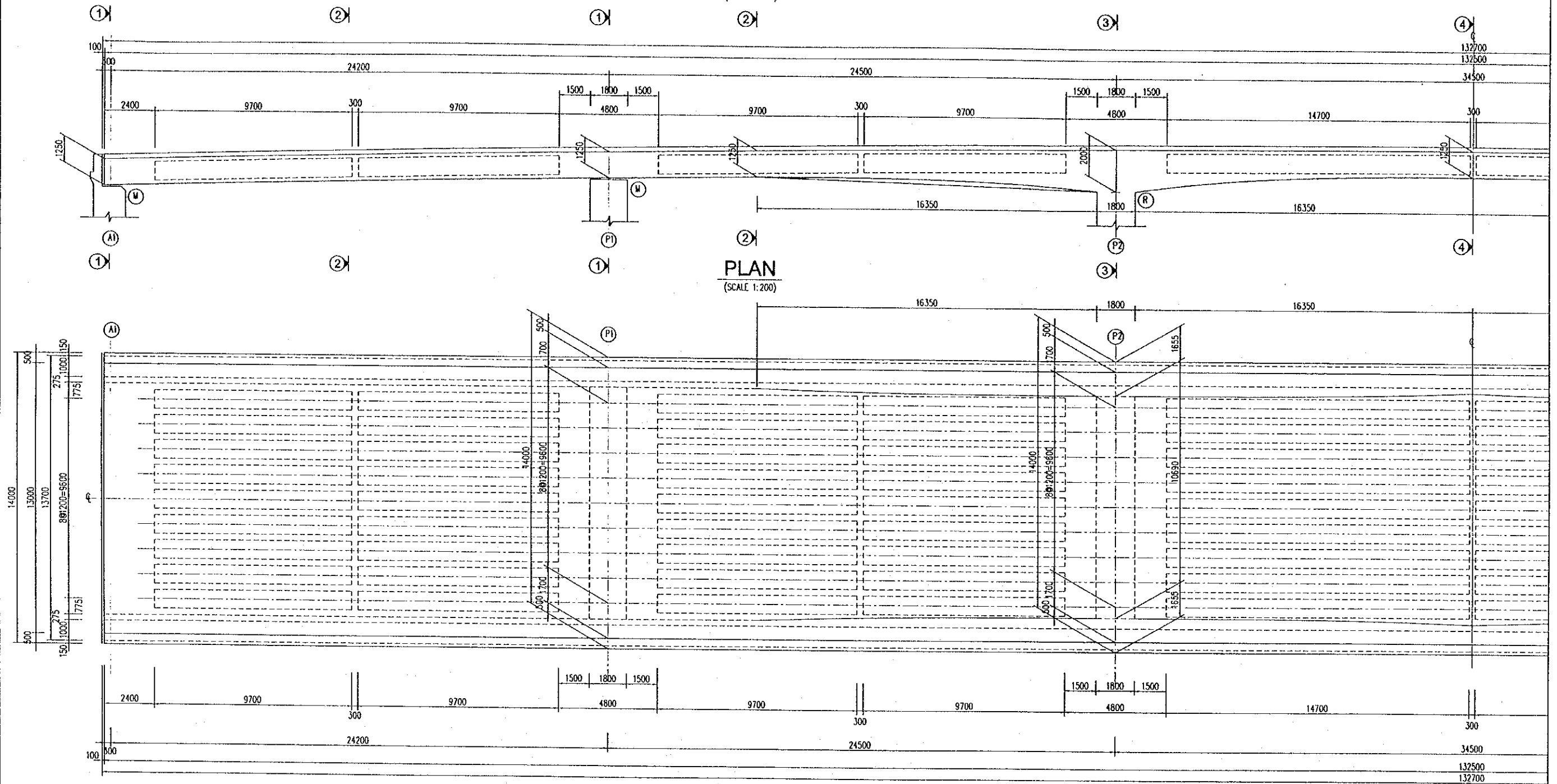
1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	 NIPPON KOEI CO.,LTD.	NAME T. Kamelani SIGNATURE  DATE 20/9/2000	NAME K. Matsumoto SIGNATURE  DATE 29/9/2000	NAME K. Enomoto SIGNATURE  DATE 5/10/2000	INTERCHANGE 2 FLYOVER BRIDGE QUANTITY TABLE OF BRIDGE	P1/BR4/0080

II. SUPERSTRUCTURE

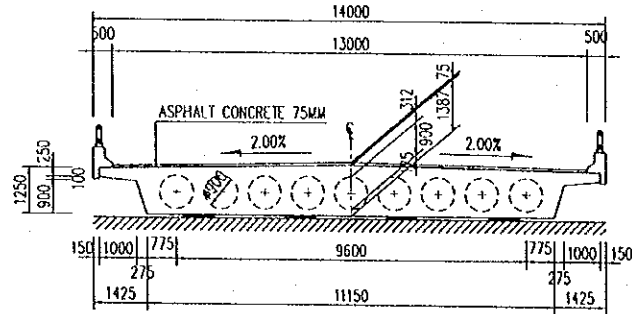
SIDE ELEVATION

(SCALE 1:200)



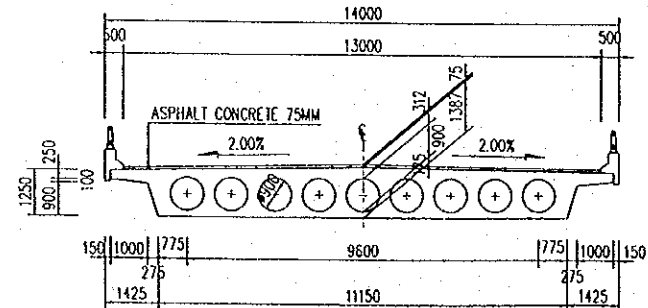
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(SCALE 1:200)



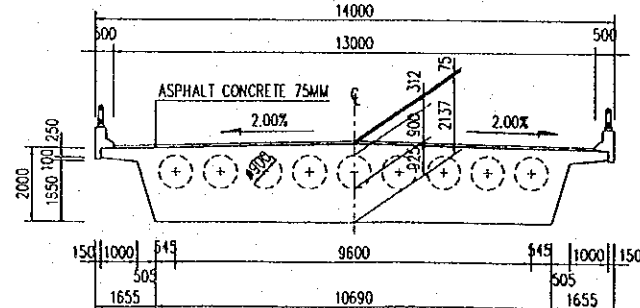
2-2

(SCALE 1:200)



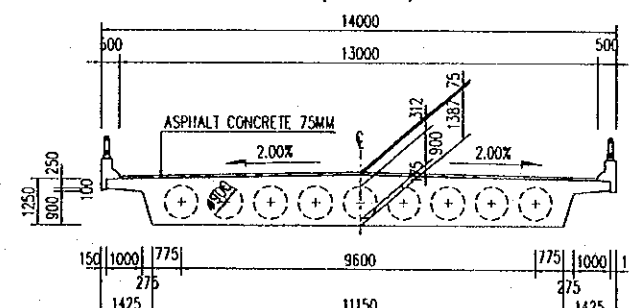
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(SCALE 1:200)



4-4

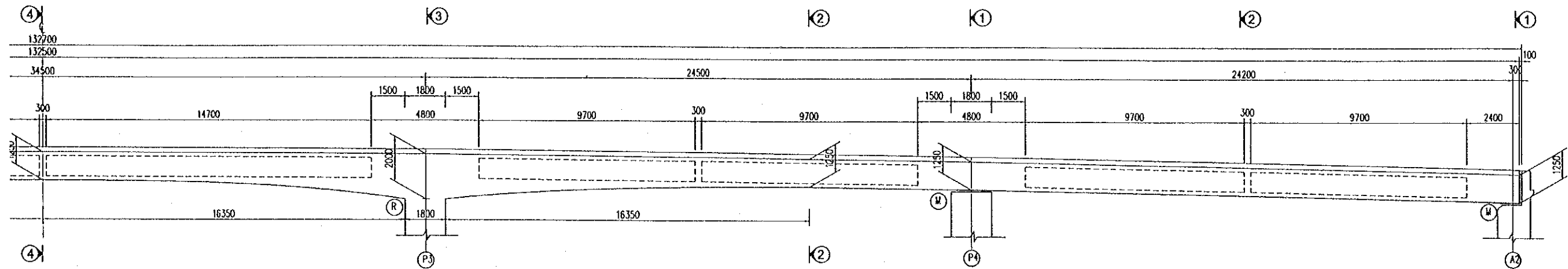
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PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO., LTD.	T. Kametani	K. Matsumoto	K. Enomoto	INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE	P1/BR4/0090
				DATE	DATE	DATE	GENERAL VIEW OF HOLLOW SLAB - SHEET 1	
				20/9/2000	29/9/2000	5/10/2000		

SIDE ELEVATION

(SCALE 1:200)



PLAN

(SCALE 1:200)

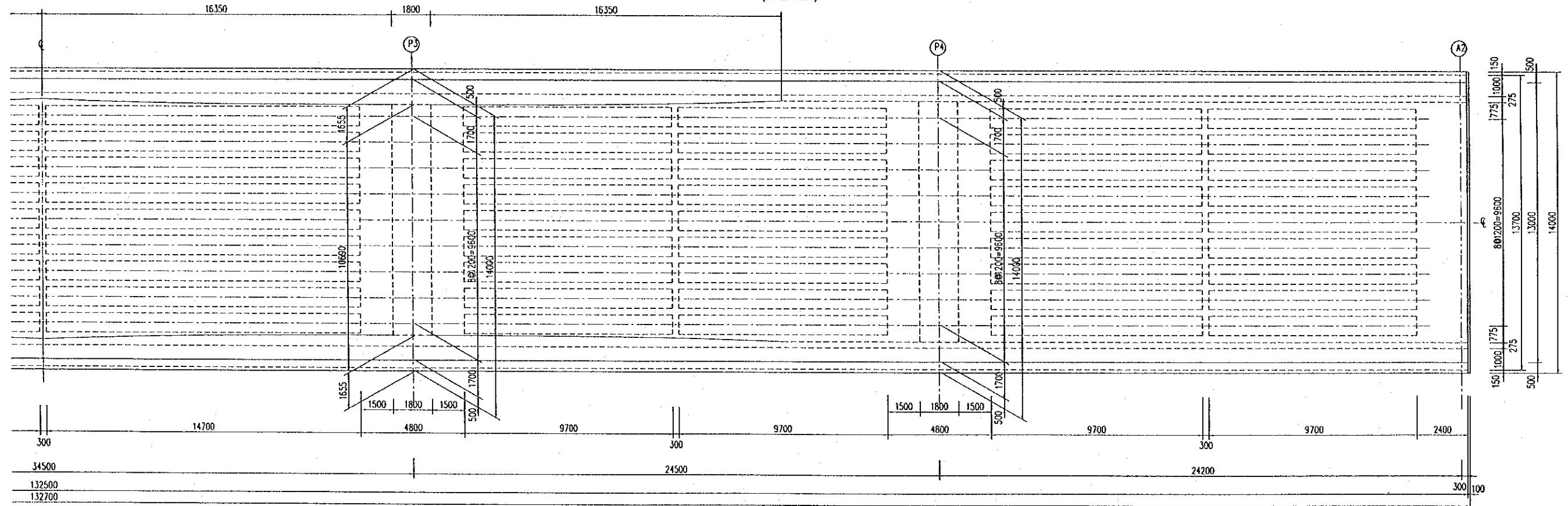
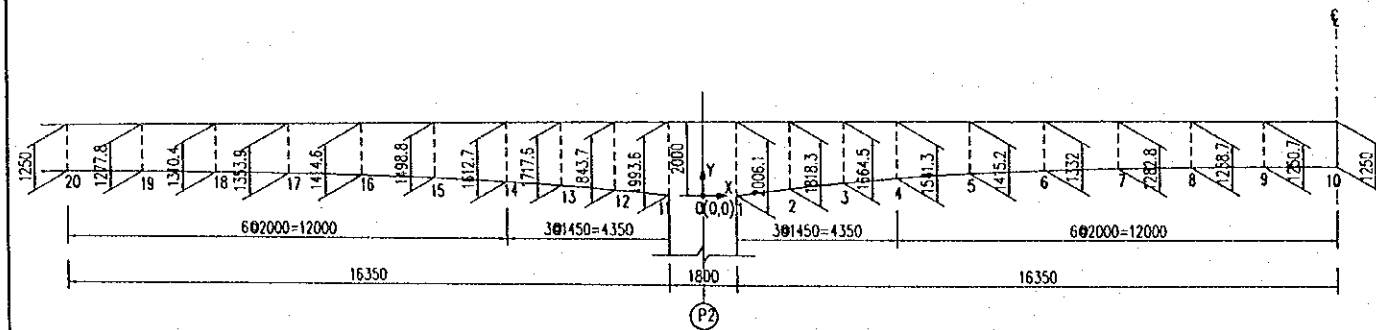


TABLE OF COORDINATES

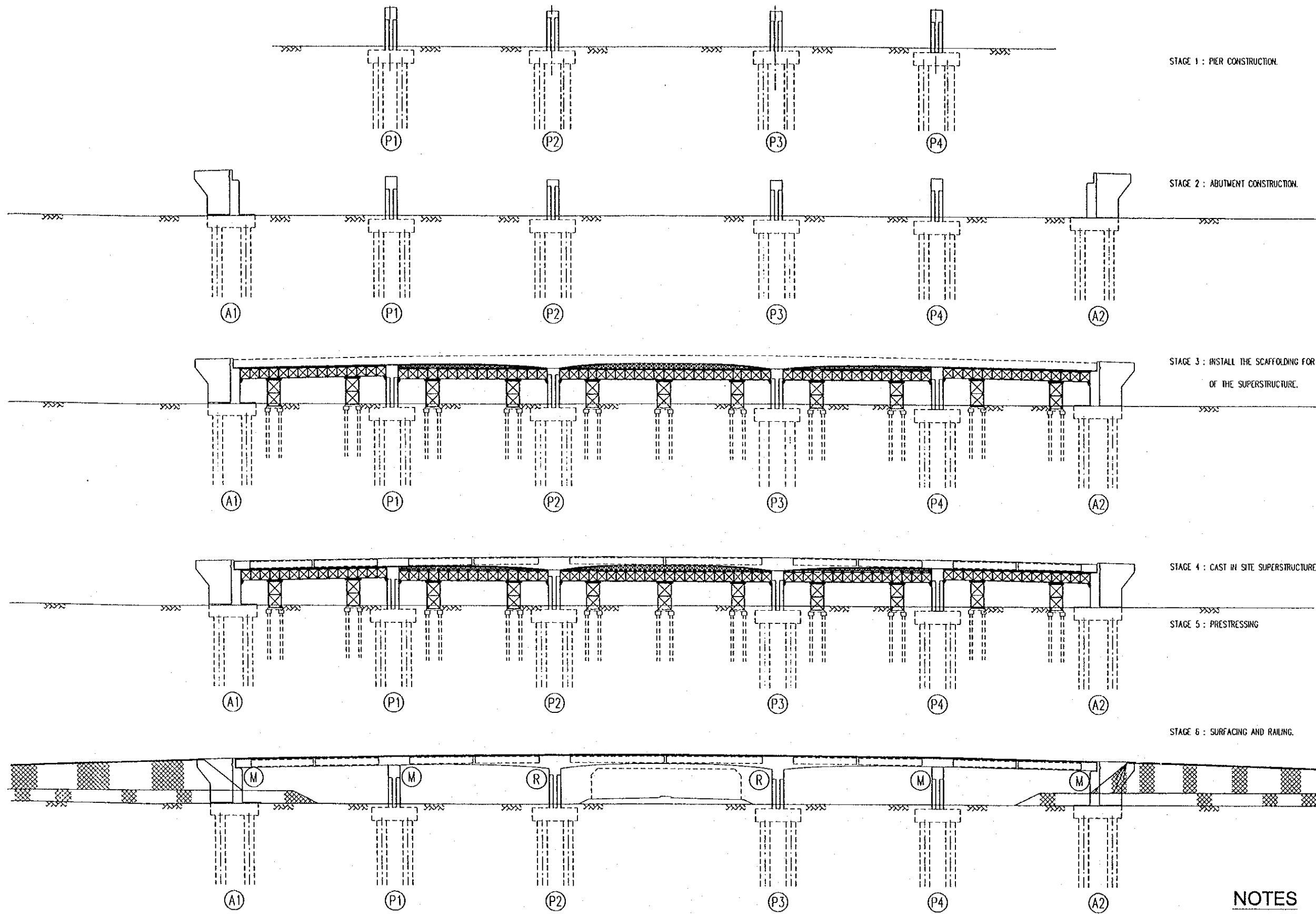
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1	900	0.0
2	2350	197
3	3800	359
4	5250	489
5	7250	624
6	9250	715

POINT	X mm	Y mm
7	11250	770
8	13250	798
9	15250	808
10	17249	810
11	-900	0.0
12	-2340	138
13	-3810	254

POINT	X mm	Y mm
14	-5250	346
15	-7245	441
16	-9255	505
17	-11250	543
18	-13245	563
19	-15255	570
20	-17250	571



PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	IMPLEMENTATION AGENCY JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	JICA STUDY TEAM NIPPON KOEI CO.,LTD.	PREPARED BY T. Kametani	CHECKED BY K. Matsumoto	APPROVED BY K. Enomoto	DRAWING TITLE INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE GENERAL VIEW OF HOLLOW SLAB - SHEET 2	DWG NO. P1/BR4/0100
				SIGNATURE <i>T. Kametani</i>	SIGNATURE <i>K. Matsumoto</i>	SIGNATURE <i>K. Enomoto</i>		
				DATE 20/9/2000	DATE 29/9/2000	DATE 5/10/2000		



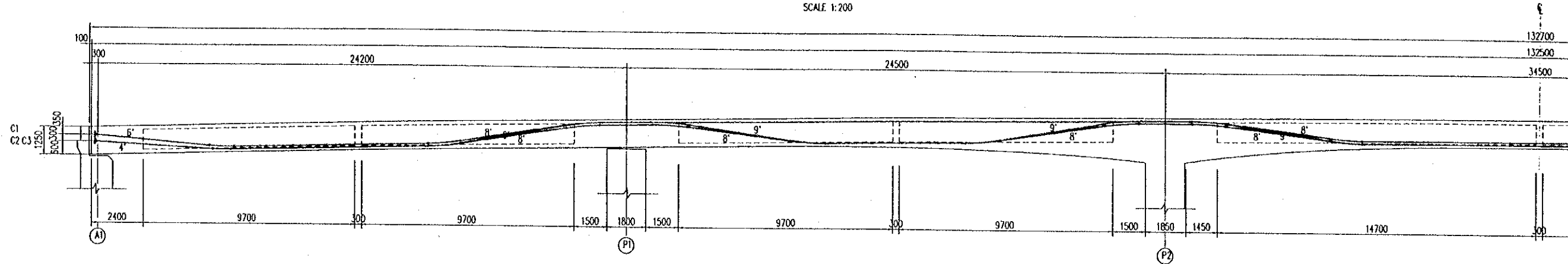
NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE CONSTRUCTION SEQUENCE	P1/BR4/0110
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

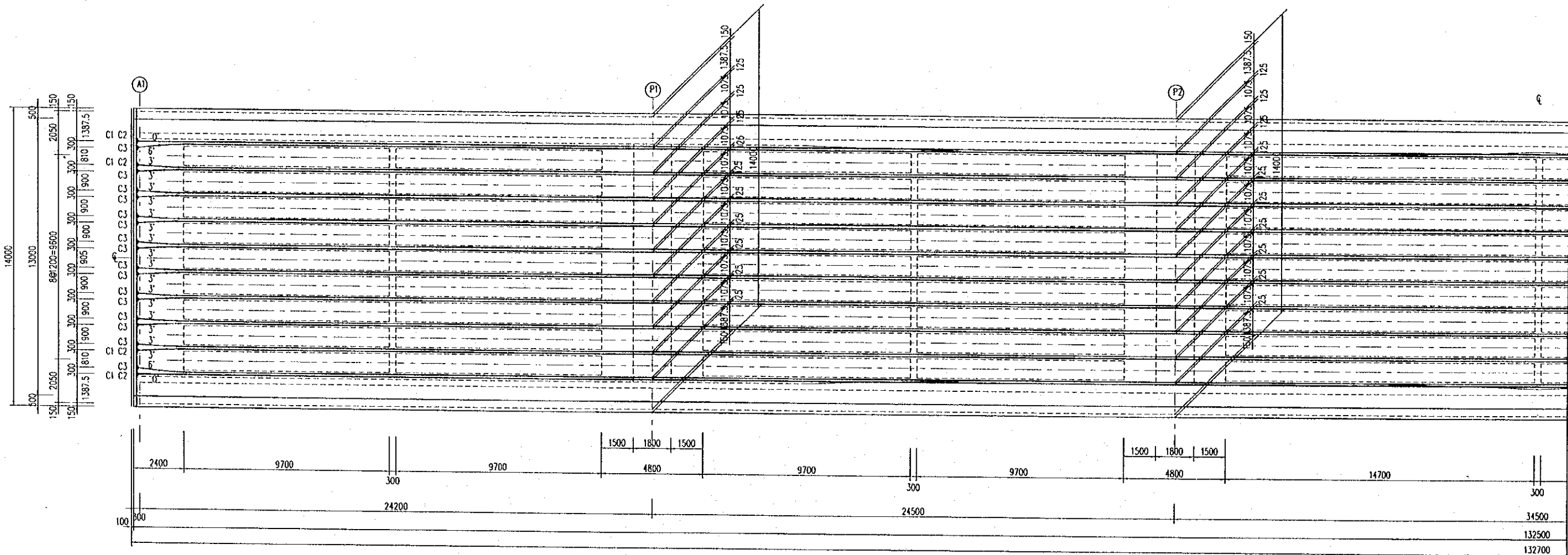
SIDE ELEVATION

SCALE 1:200



PLAN

SCALE 1:200



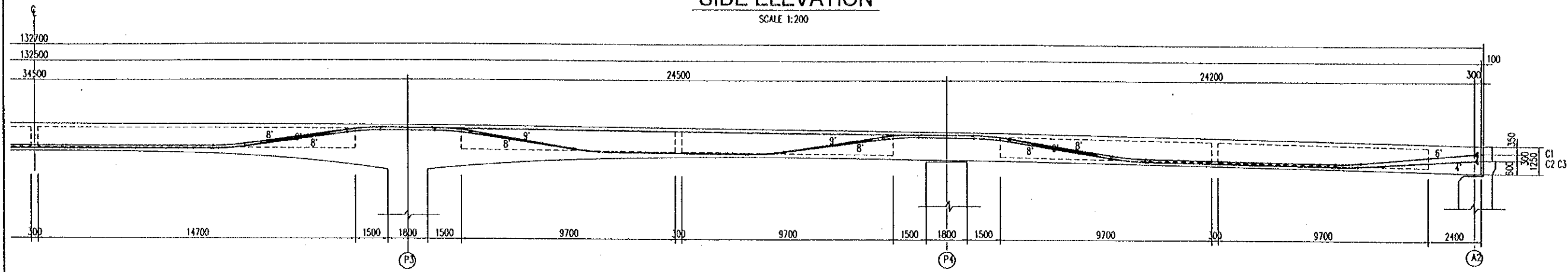
NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME T. Kametani SIGNATURE <i>T. Kametani</i> DATE 20/9/2000	NAME K. Matsumoto SIGNATURE <i>K. Matsumoto</i> DATE 29/9/2000	NAME K. Enomoto SIGNATURE <i>K. Enomoto</i> DATE 5/10/2000	INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE TENDON ARRANGEMENT OF HOLLOW SLAB - SHEET 1	P1/BR4/0120

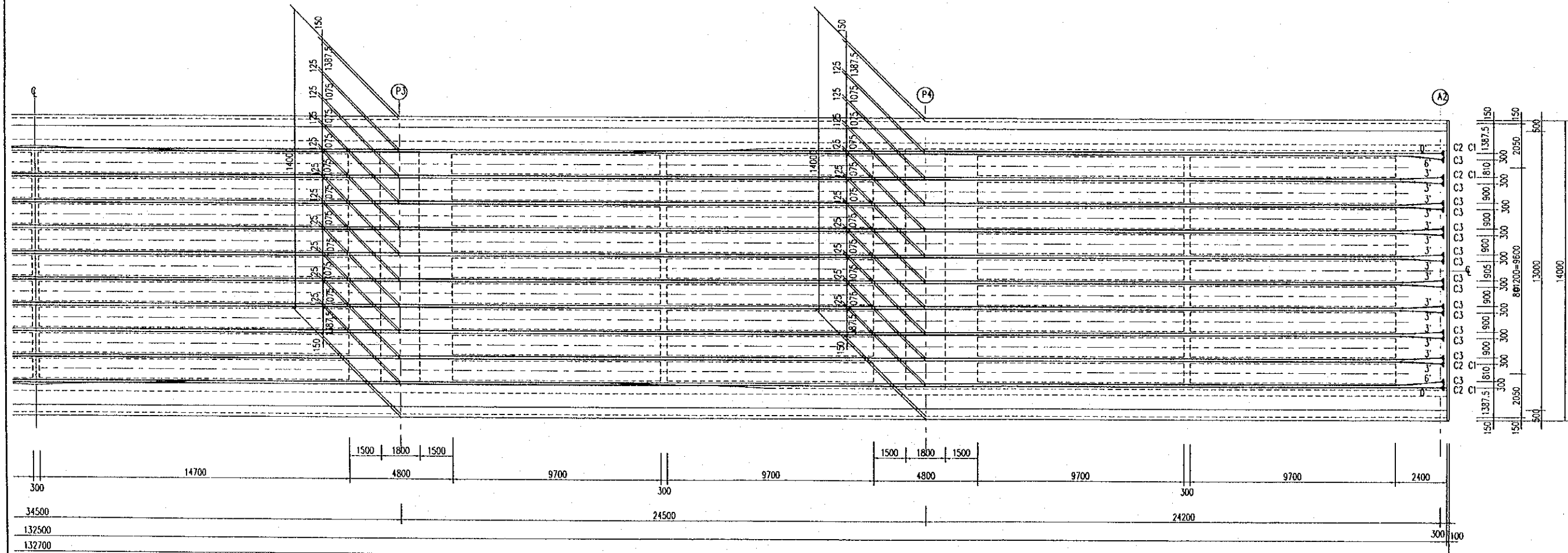
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PLAN

SCALE 1:200



NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

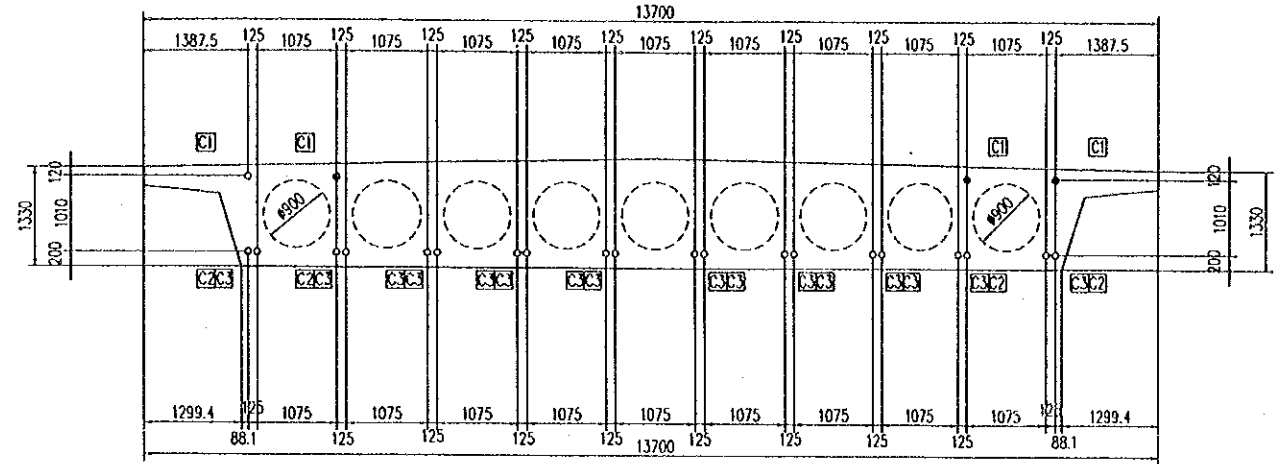
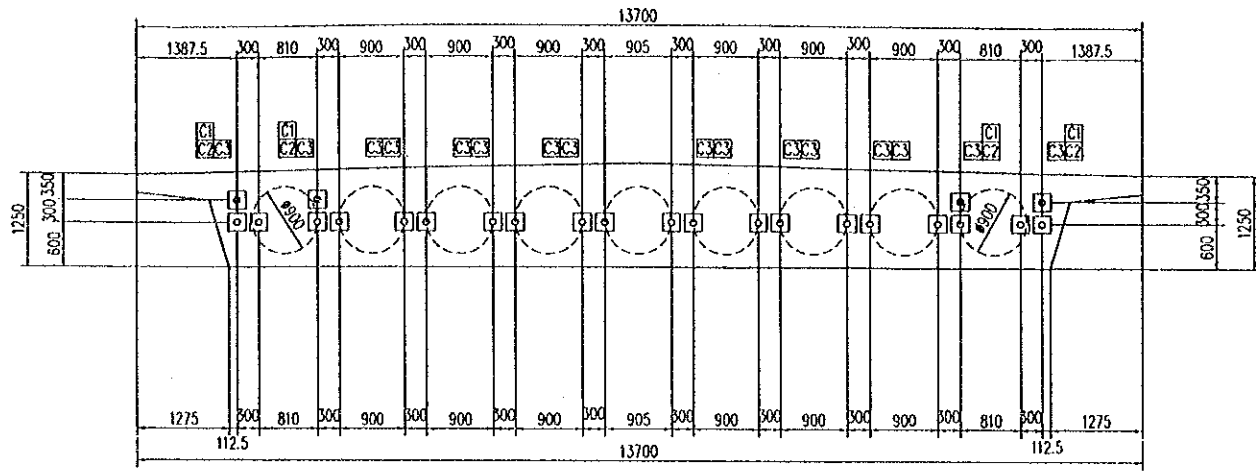
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	NAME T. Kametani SIGNATURE <i>T. Kametani</i> DATE 20/9/2000	NAME K. Matsumoto SIGNATURE <i>K. Matsumoto</i> DATE 29/9/2000	NAME K. Enomoto SIGNATURE <i>K. Enomoto</i> DATE 5/10/2000	INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE TENDON ARRANGEMENT OF HOLLOW SLAB - SHEET 2	P1/BR4/0130

A - A

CABLES ARRANGEMENT SECTION

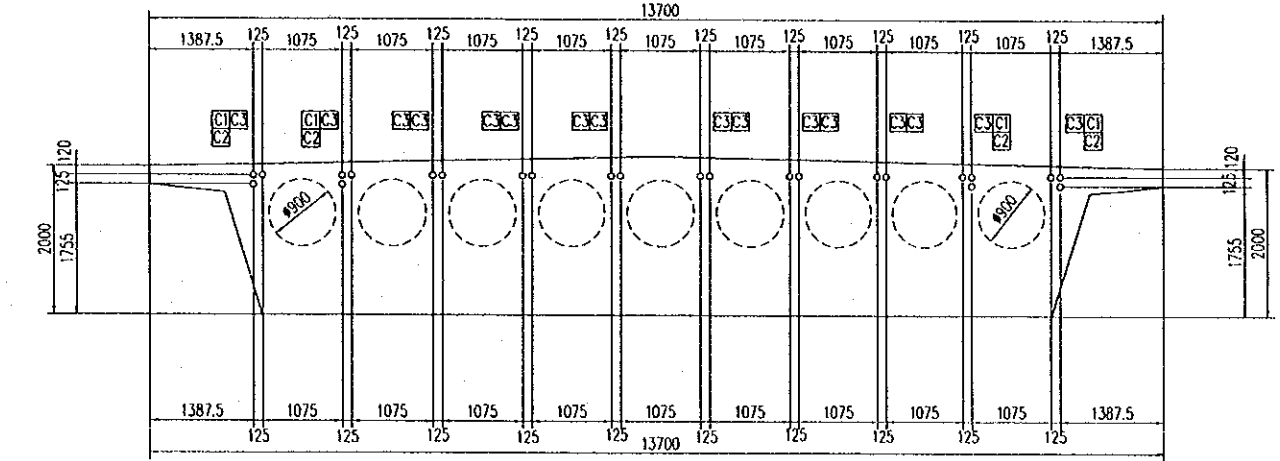
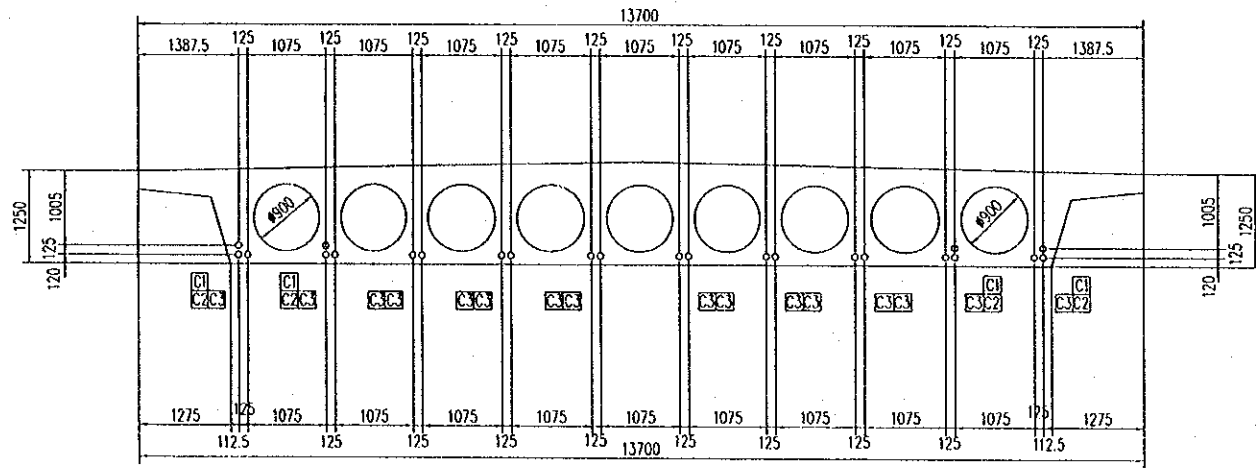
D - D

SCALE 1:100



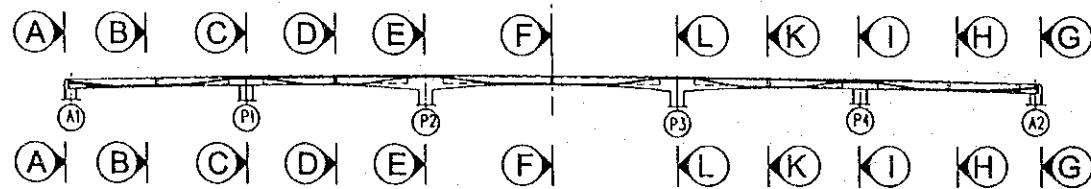
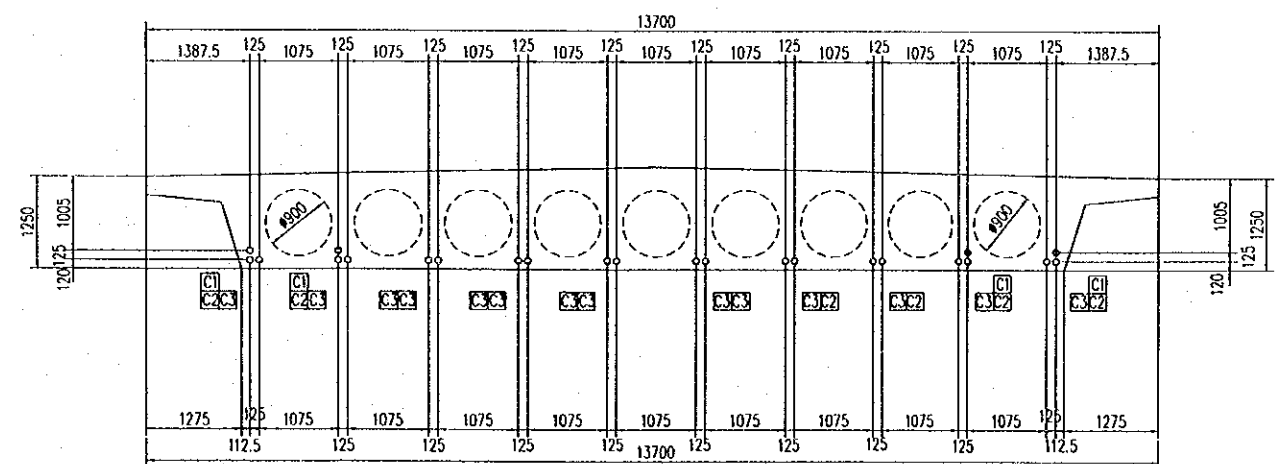
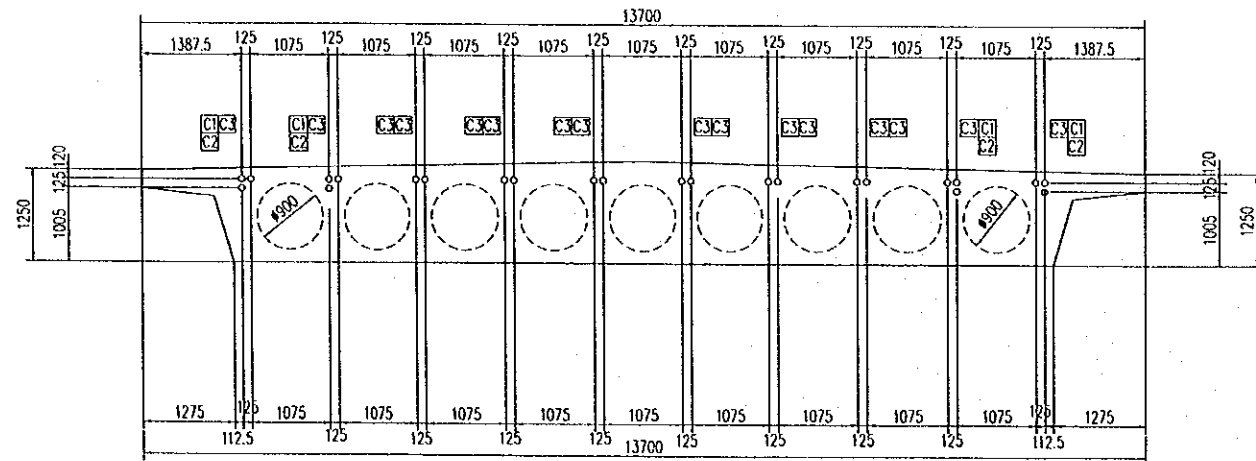
B - B

E - E



C - C

F - F



NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.
2. SYMBOL ○ TENDON
 ANCHORAGE

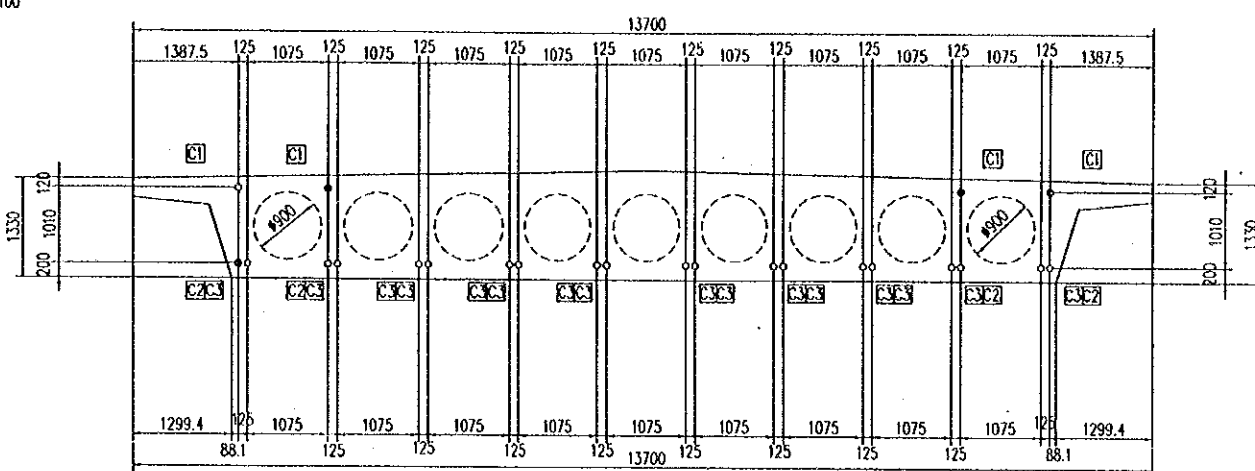
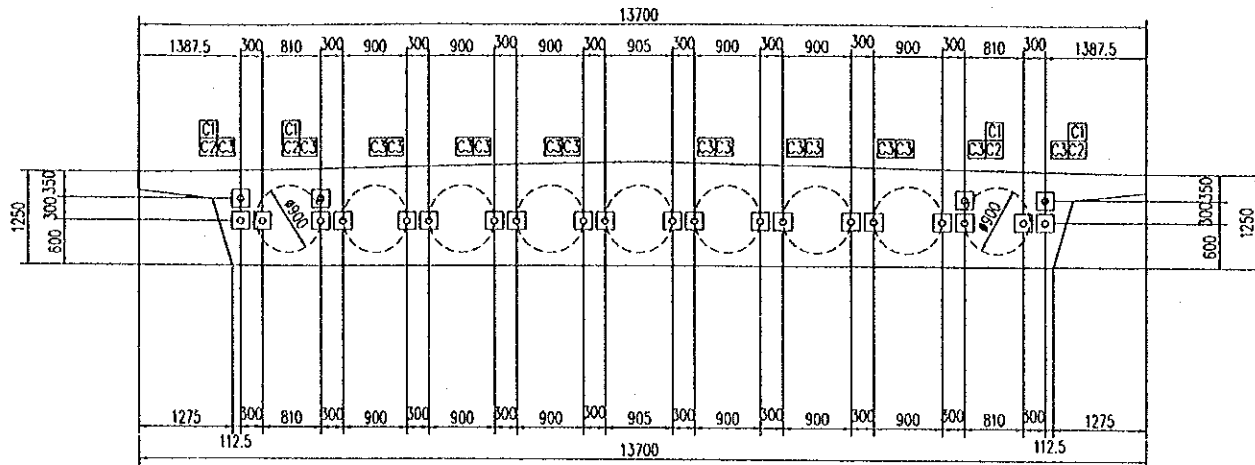
PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	IMPLEMENTATION AGENCY JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	JICA STUDY TEAM NIPPON KOEI CO.,LTD.	PREPARED BY NAME T. Kametani SIGNATURE DATE 20/9/2000	CHECKED BY K. Matsumoto SIGNATURE DATE 29/9/2000	APPROVED BY K. Enomoto SIGNATURE DATE 5/10/2000	DRAWING TITLE INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE TENDON ARRANGEMENT OF HOLLOW SLAB - SHEET 3	DWG NO. P1/BR4/0140
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G - G

CABLES ARRANGEMENT SECTION

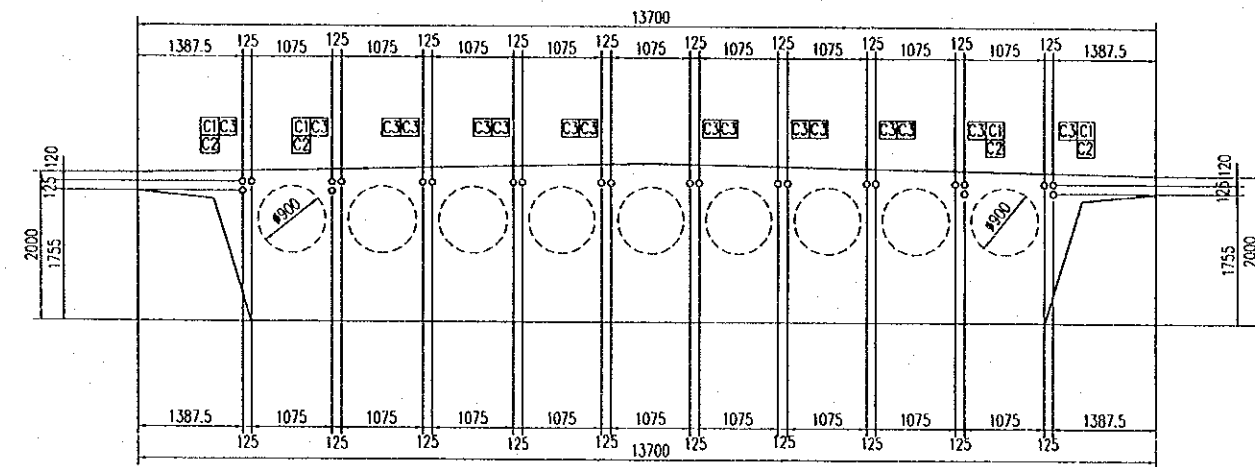
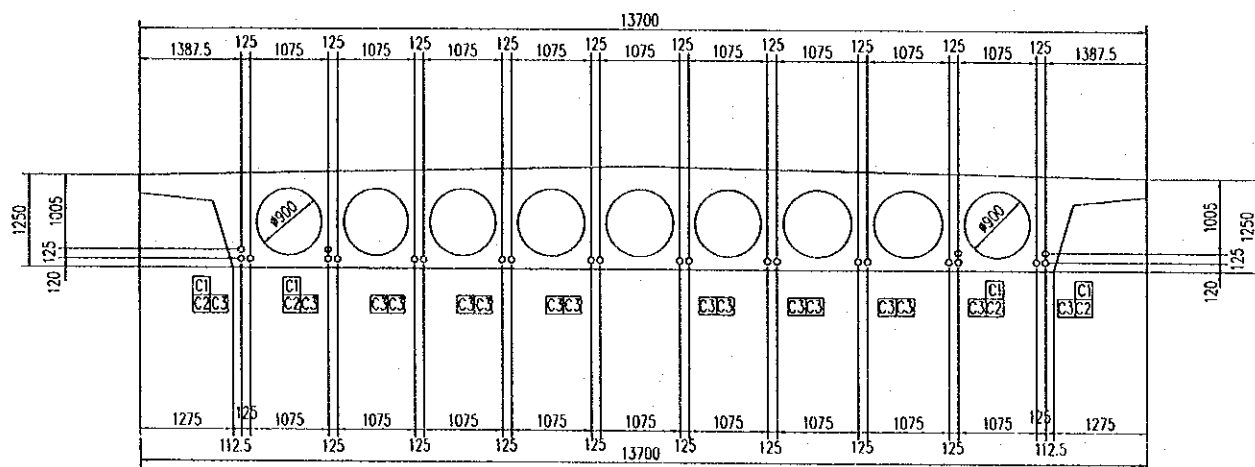
K - K

SCALE 1:100

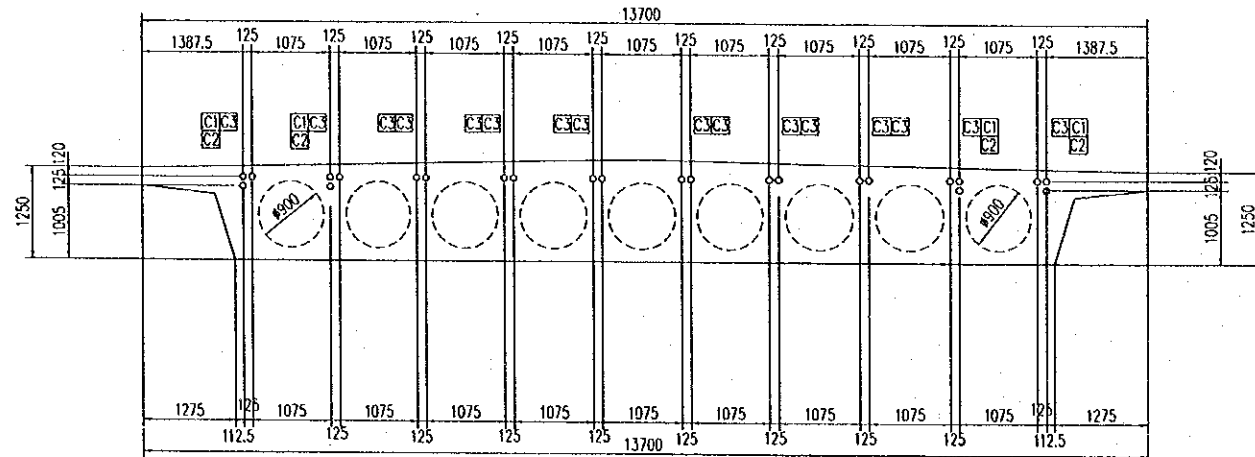
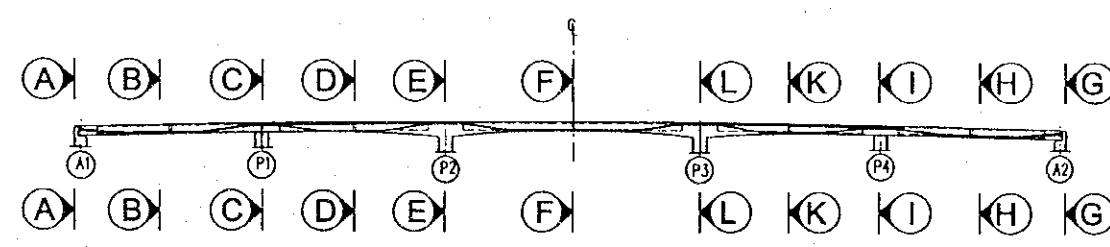


H - H

L - L



I - I



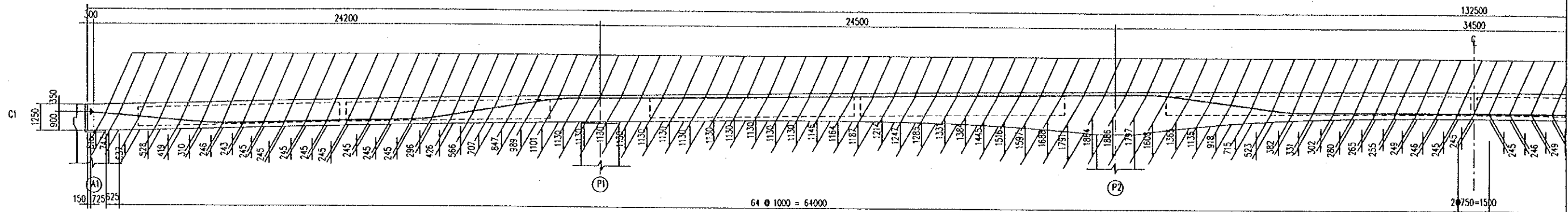
NOTES

- 1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.
- 2. SYMBOL ○ TENDON
 ANCHORAGE

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO., LTD.	T. Kametani 20/9/2000	K. Matsumoto E. Hatakeyama 29/9/2000	K. Enomoto 5/10/2000	INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE TENDON ARRANGEMENT OF HOLLOW SLAB - SHEET 4	P1/BR4/0150

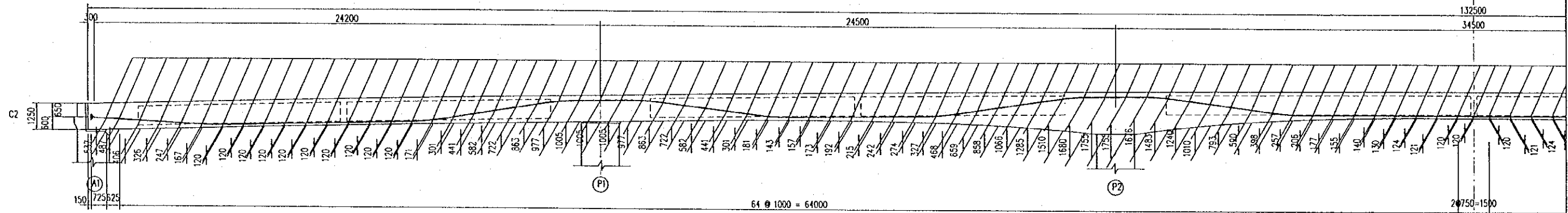
SIZE ELEVATION OF CABLE C1

SCALE 1:200



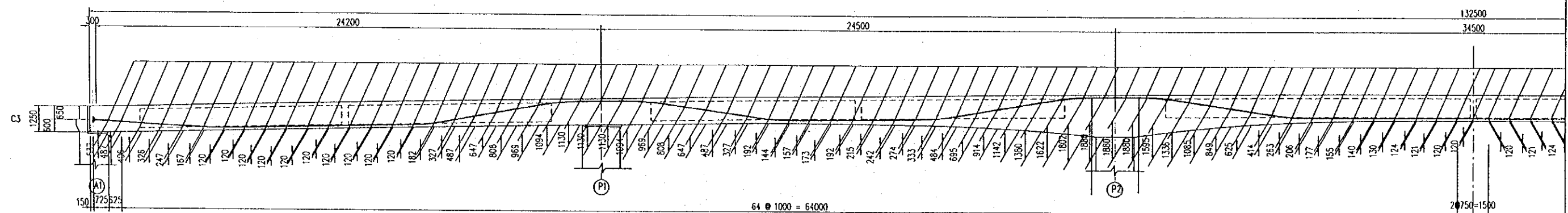
SIZE ELEVATION OF CABLE C2

SCALE 1:200



SIZE ELEVATION OF CABLE C3

SCALE 1:200



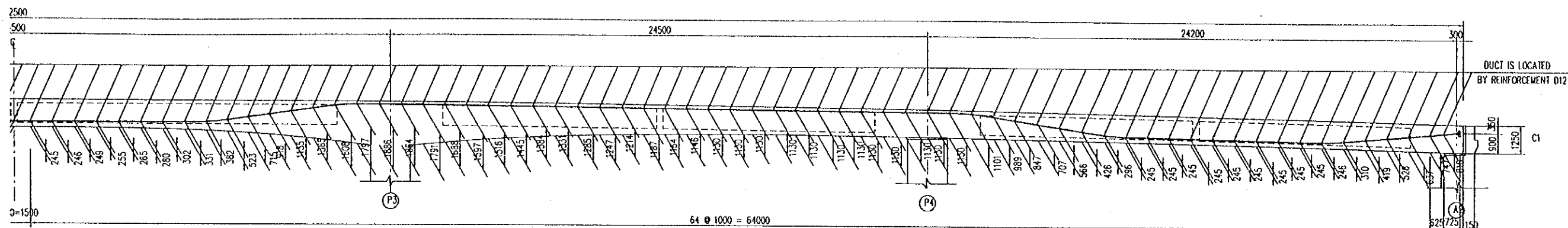
NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE TENDON ARRANGEMENT OF HOLLOW SLAB - SHEET 5	P1/BR4/0160
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	

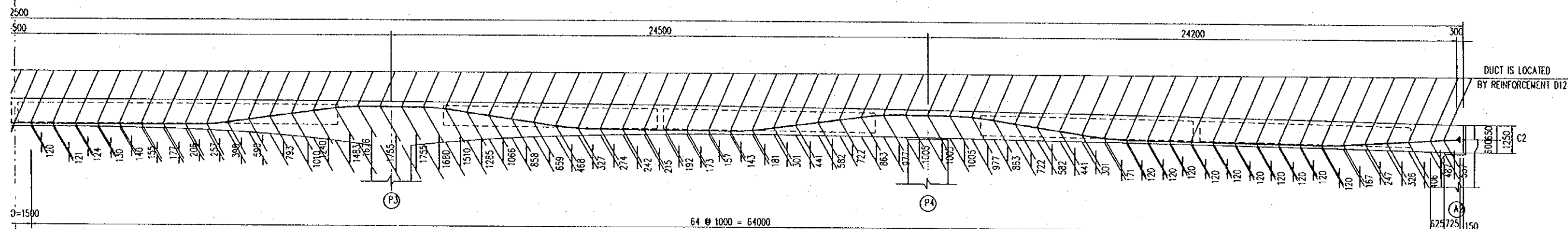
SIZE ELEVATION OF CABLE C1

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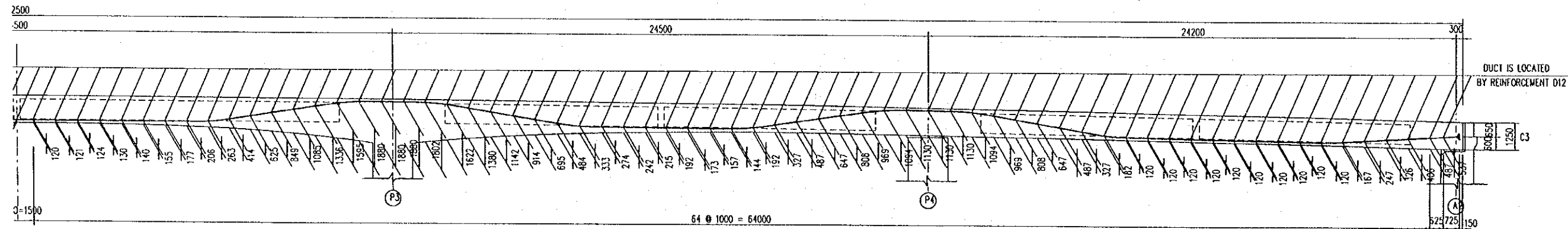
SIZE ELEVATION OF CABLE C2

SCALE 1:200



SIZE ELEVATION OF CABLE C3

SCALE 1:200



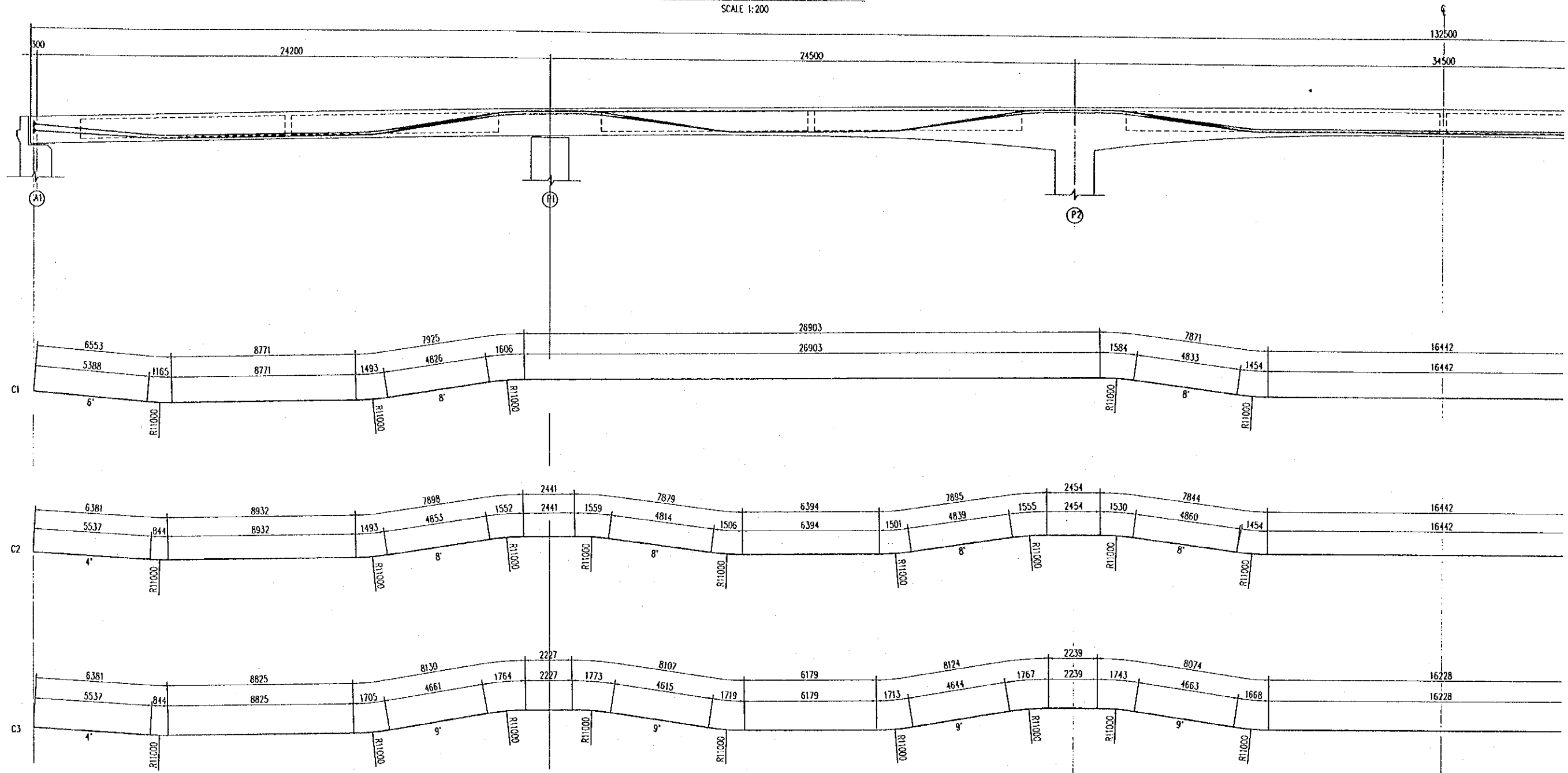
NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO., LTD.	T. Kametani	K. Matsumoto	K. Enomoto	INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE TENDON ARRANGEMENT OF HOLLOW SLAB - SHEET 6	P1/BR4/0170
				NAME	SIGNATURE	DATE		
				T. Kametani	E. Matsumoto	20/9/2000		
						29/9/2000		
						5/10/2000		

PROFILE OF CABLES

SCALE 1:200



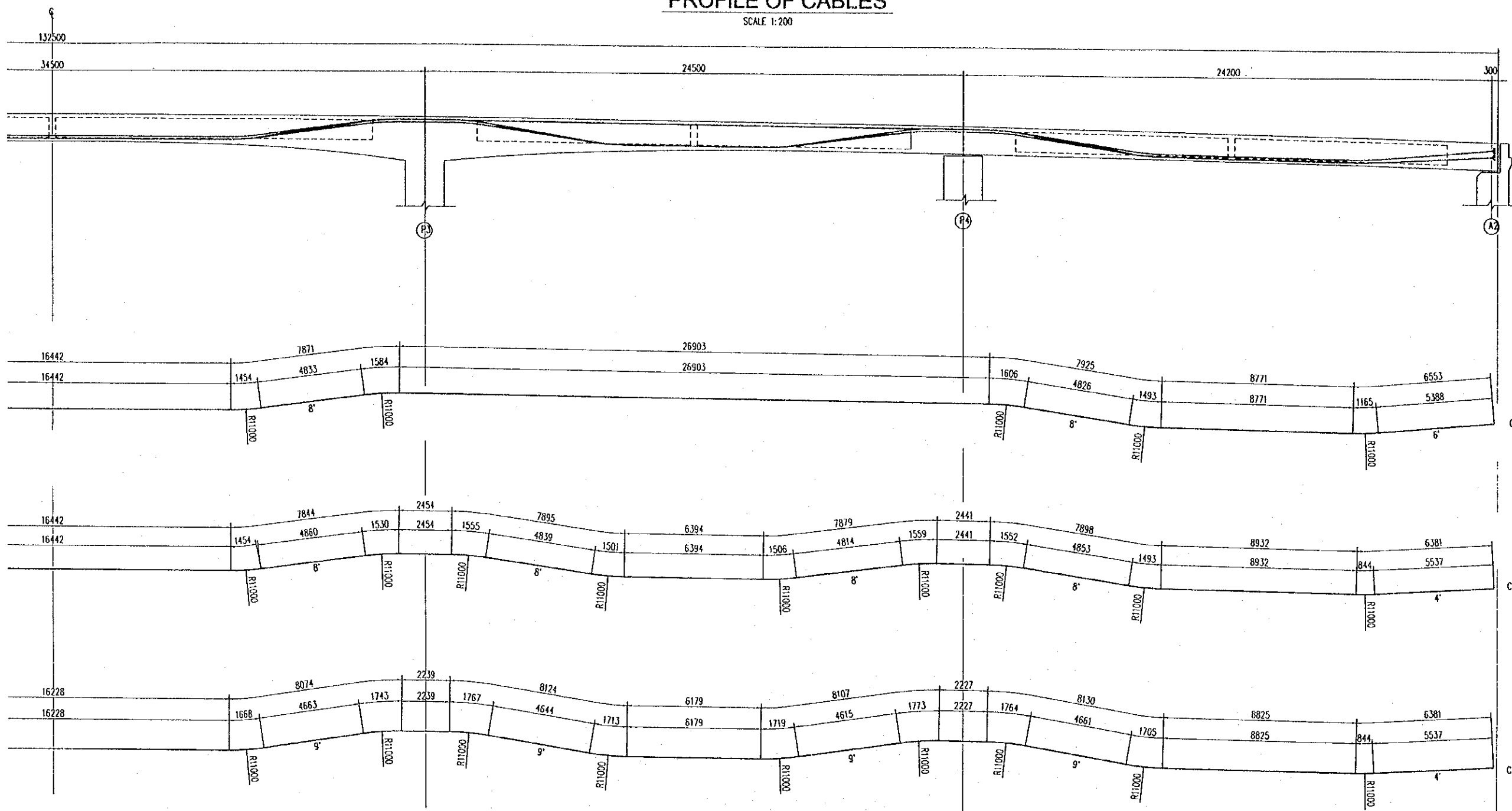
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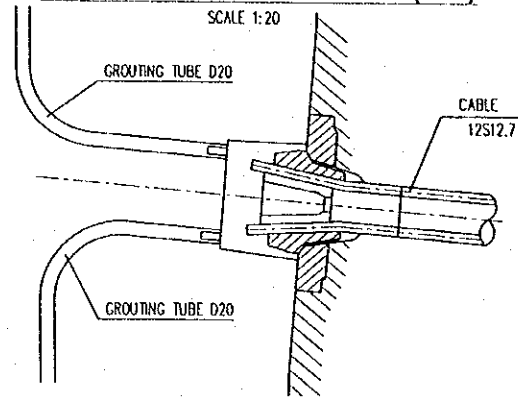
PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	IMPLEMENTATION AGENCY JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	JICA STUDY TEAM NIPPON KOEI CO.,LTD.	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE TENDON ARRANGEMENT OF HOLLOW SLAB - SHEET 7	DWG NO. P1/BR4/0180	
				NAME	T. Kametani	K. Matsumoto			K. Enomoto
				SIGNATURE					
DATE	20/9/2000	29/9/2000	5/10/2000						

PROFILE OF CABLES

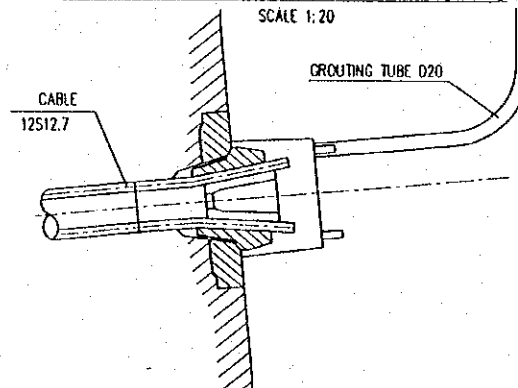
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DETAIL OF ANCHOR (A1)



DETAIL OF ANCHOR (A2)

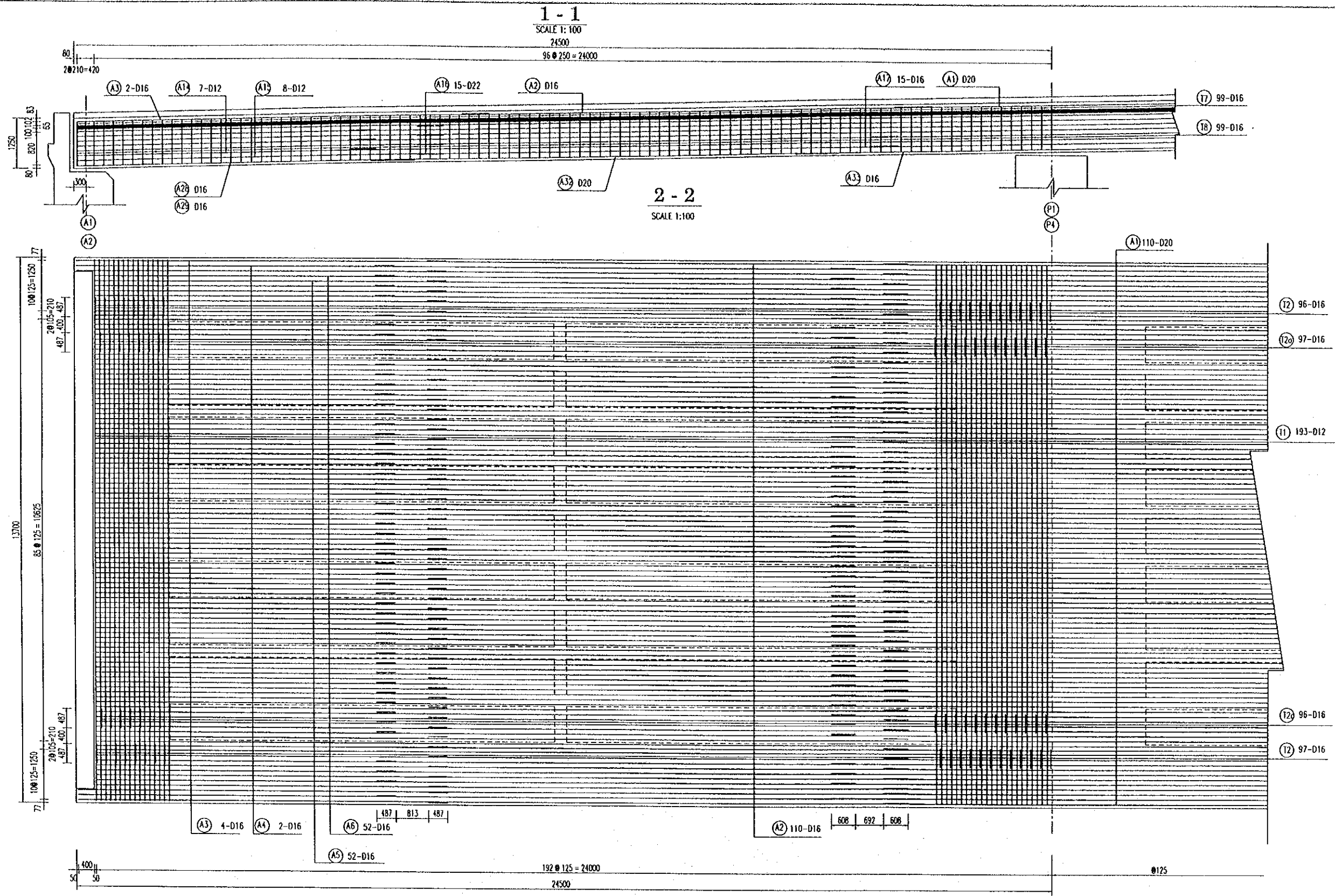


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C3	12S12.7	132801	16	2124816

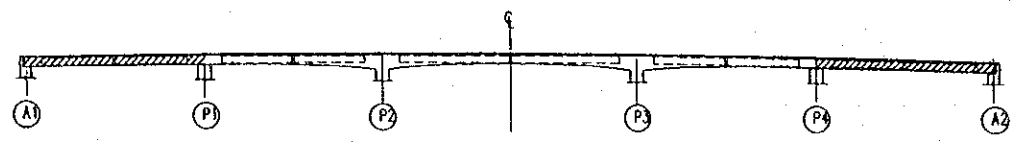
NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030

PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	IMPLEMENTATION AGENCY JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	JICA STUDY TEAM NIPON KOEI CO.,LTD.	PREPARED BY NAME: T. Kametani SIGNATURE: [Signature] DATE: 20/9/2000	CHECKED BY NAME: K. Matsumoto SIGNATURE: [Signature] DATE: 29/9/2000	APPROVED BY NAME: K. Enomoto SIGNATURE: [Signature] DATE: 5/10/2000	DRAWING TITLE INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE TENDON ARRANGEMENT OF HOLLOW SLAB - SHEET 8	DWG NO. P1/BR4/0190
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SIDE ELEVATION
(SCALE 1:1000)

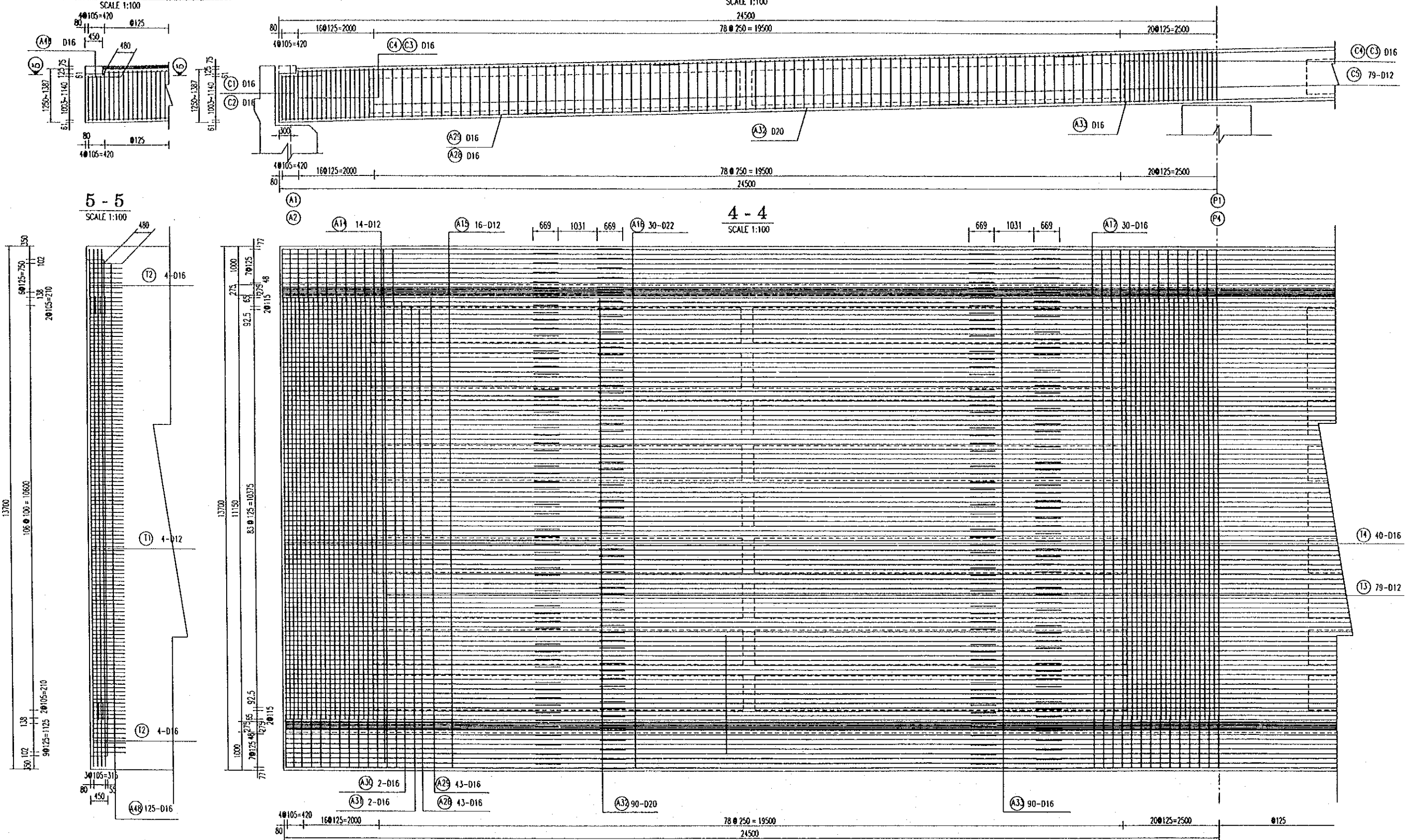


NOTES

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME: T. Kametani SIGNATURE: <i>T. Kametani</i> DATE: 20/9/2000	NAME: K. Matsumoto SIGNATURE: <i>K. Matsumoto</i> DATE: 29/9/2000	NAME: K. Enomoto SIGNATURE: <i>K. Enomoto</i> DATE: 5/10/2000	INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE REINFORCED ARRANGEMENT OF HOLLOW SLAB - SHEET 1	P1/BR4/0200

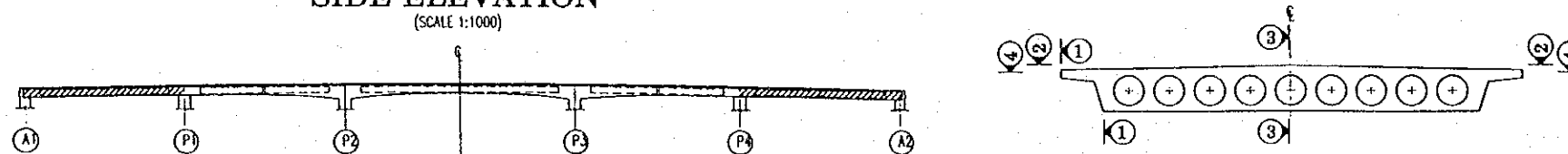
DETAIL HEAD GIRDER



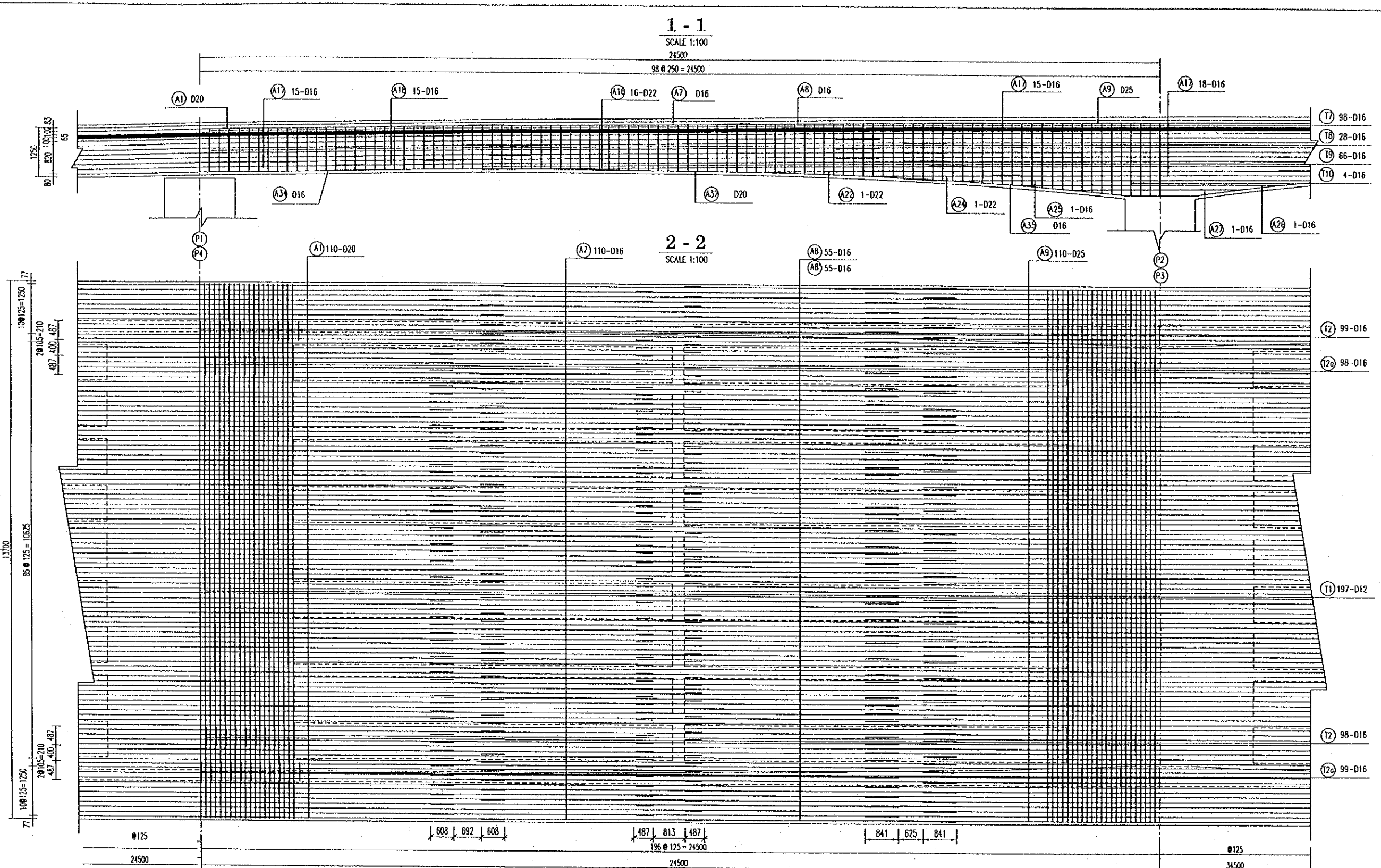
SIDE ELEVATION
(SCALE 1:1000)

NOTES

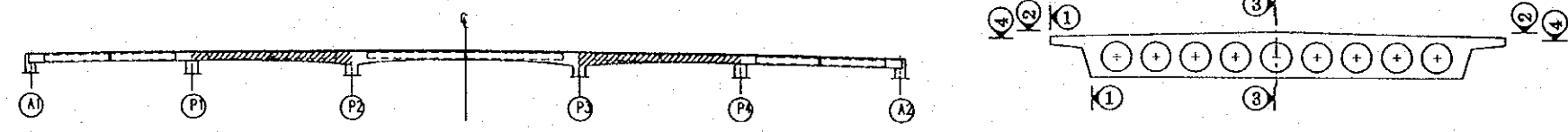
1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.



PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kametani	K. Matsumoto	K. Enomoto	INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE REINFORCED ARRANGEMENT OF HOLLOW SLAB - SHEET 2	P1/BR4/0210
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	



SIDE ELEVATION
(SCALE 1:1000)

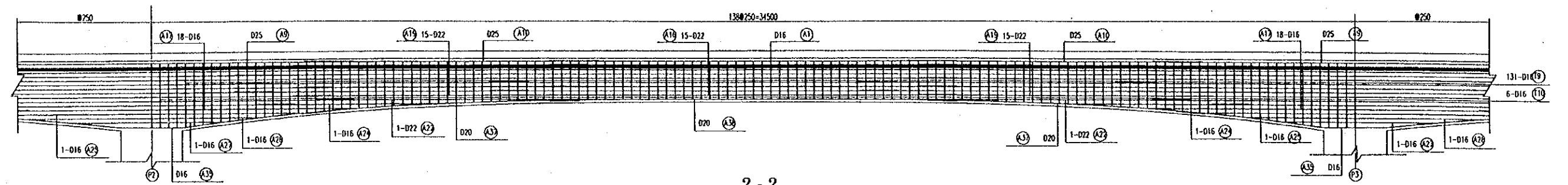


NOTE

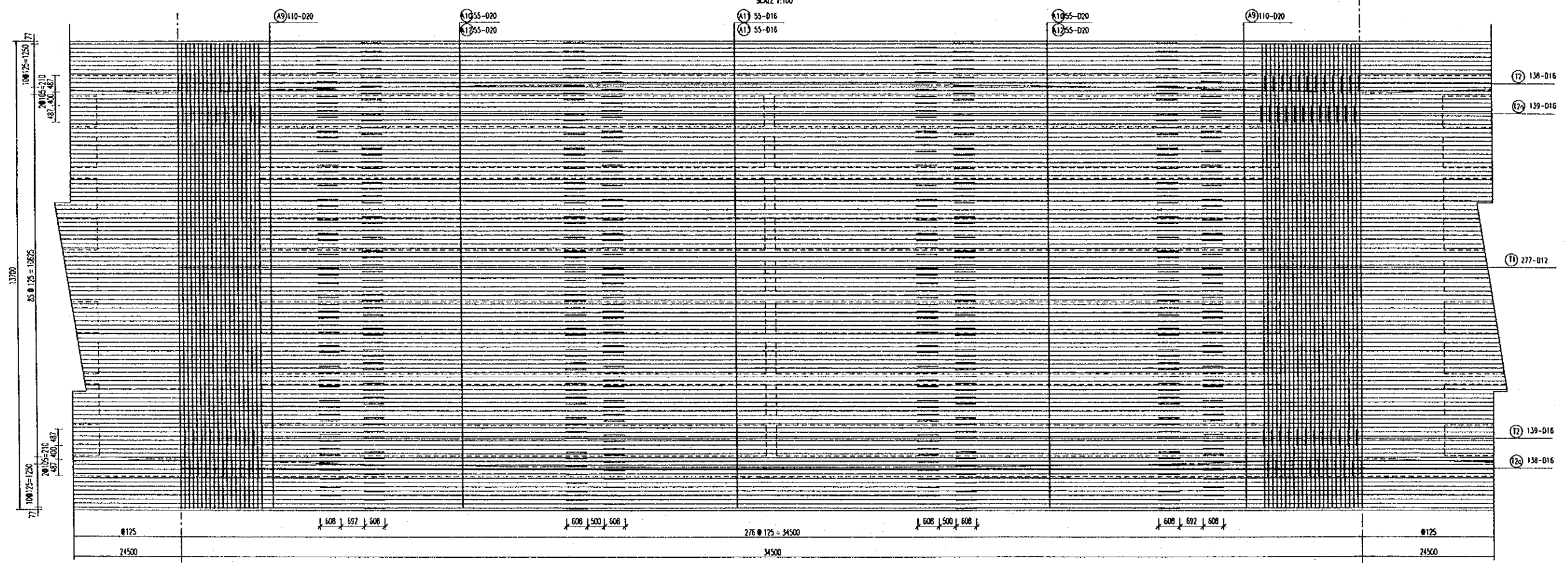
1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	IMPLEMENTATION AGENCY JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	JICA STUDY TEAM NIPPON KOEI CO.,LTD.	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE REINFORCED ARRANGEMENT OF HOLLOW SLAB - SHEET 3	DWG NO. P1/BR4/0220	
				NAME	T. Kametani	K. Matsumoto			K. Enomoto
				SIGNATURE	<i>T. Kametani</i>	<i>K. Matsumoto</i>			<i>K. Enomoto</i>
				DATE	20/9/2000	29/9/2000	5/10/2000		

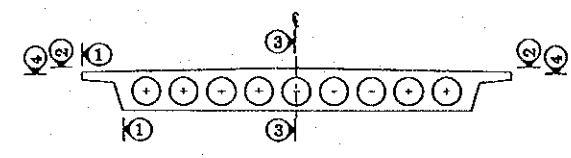
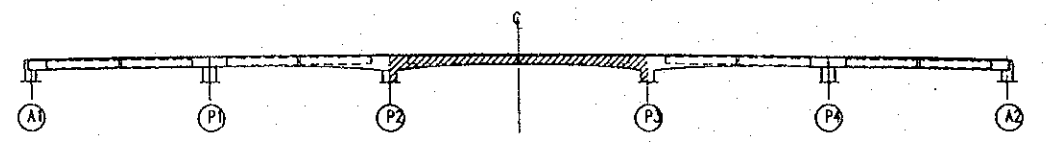
1 - 1
SCALE 1:100



2 - 2
SCALE 1:100



SIDE ELEVATION
(SCALE 1:1000)



NOTE

1. FOR STANDARD STRUCTURAL NOTES SEE DRAWING NO P1/BR4/0030.

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM	PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	(NK) NIPPON KOEI CO.,LTD.	T. Kamelani	K. Matsumoto	K. Enomoto	INTERCHANGE 2 FLYOVER BRIDGE SUPERSTRUCTURE REINFORCED ARRANGEMENT OF HOLLOW SLAB - SHEET 5	P1/BR4/0240
				NAME				
				SIGNATURE				
				DATE	20/9/2000	29/9/2000	5/10/2000	